



MULTIVA

PRODUCTS 2024



GOOD CROPS ARE NOT COINCIDENCE

Multiva manufactures high-quality, easy-to-use agricultural equipment in the northernmost farming country in the world.

Our focus is on resolving the challenges of our farming customers by developing modern agricultural machinery, all the while respecting and protecting the environment.

MULTIVA
CULTIVATING THE FUTURE



NEVER STOP IMPROVING

Just like farmers, Multiva will always continue to look for better results and more efficient technologies. In short, Multiva wants to develop.

We want to go forward all the time in creating new farming technologies together with our customers. The product development at Multiva is a continuous process where we find the optimal solutions to the user's needs. As the rules and regulations as well as the level of technology changes all the time, we want to be front runners in offering precision, cost-effectiveness and safety to our users.

Multiva's endeavor is to serve today's modern farmer with state-of-the-art agricultural machinery that improves farming efficiency. Our uniqueness is the result of everything that we do. We offer reliability, durability, as well as recognized and proven quality for work in the fields with the best resale value.

Our focus is on the customer, the farmer, the agricultural entrepreneur who wants to run a successful

business now and in the future. Our mission is to develop the best agricultural machinery for today's and tomorrow's market so that you as a farmer can look forward to the future with confidence. Multiva machines aim to provide the best crops, profitable cultivation and fertile soil for present and future generations.

MULTIVA



MULTIVA S-TINE HARROWS

The working principles of S-tine harrows

- TRUE KNOWLEDGE OF THE SOIL

A good S-tine harrow creates a smooth seed bottom and field surface with the fewest possible runs, making the conditions for sprouting most favorable.

An S-tine harrow should also produce a good crumb structure and the right kind of distribution of soil particles. This is particularly important for heavier soil types that require finer soil near seed to ensure proper moisture for germination, along with more coarse soil on the surface of the field to avoid siltation.

The operation and technological innovations of Multiva harrows are based on meeting these requirements. The optimum tine geometry ensures a smooth seed bottom and efficient crumbling. Advanced levelling board and cage roller technologies enhance the formation of the right soil structure.



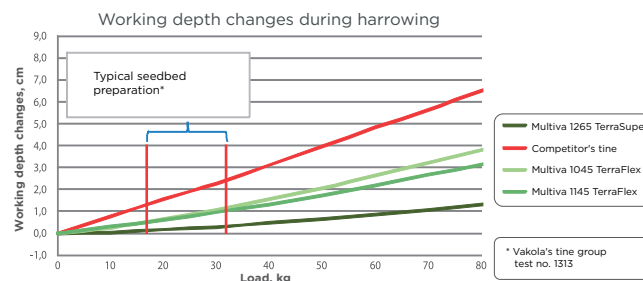
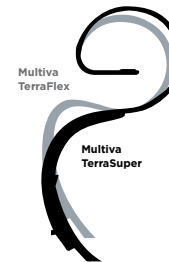
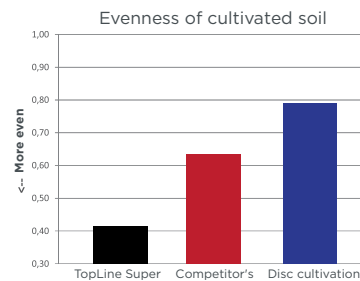
MULTIVA S-TINE

- THE MOST EVEN CULTIVATION RESULTS BY RESEARCH

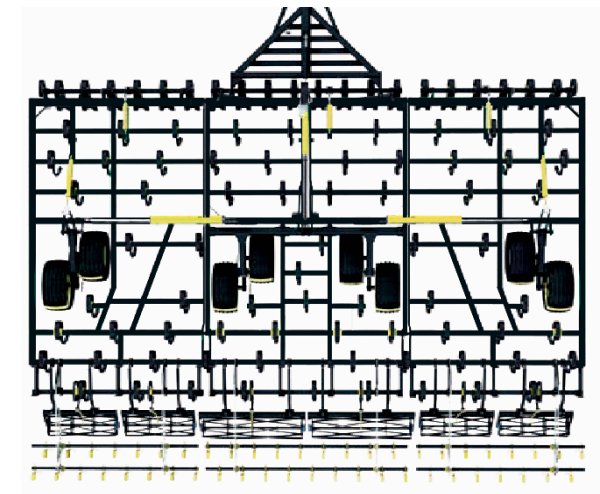
The Department of Agricultural Sciences of the University of Helsinki has studied factors contributing to the evenness of the seedbed produced by s-tines. The study examined the flexibility of s-tines under a workload as well as the evenness of the seedbed in practical tests. The study found that Multiva tines produced the most even working depth under a workload along with the most even seedbed.

The evenness of cultivated soil that Multiva TerraFlex and TerraSuper tines achieve is based on their unique tine geometry. Multiva s-tines maintain their working depth better than the competition. For example, when moving from soft to hard soil.

The impact of S-tine size, distribution and blade width on cultivation characteristics, Pro Gradu Thesis, University of Helsinki, 2012



* Vakola's tine group test no. 1313



Excellent clog-proofness

Particular attention has been paid to the clog-proofness of Multiva harrows. It is a very important factor in minimum tillage, with lots of straw and plant residue on the field. Multiva harrows have tines divided on seven, eight, or even nine axes.



The finest seedbed

The intense mixing and crumbling achieved by the 9 rows of TerraFlex tines and the efficient rear accessories, ensure a lot of fine soil around the seed especially targeted farmers producing high value crops on heavier soils.

Second-to-none crumbling and levelling

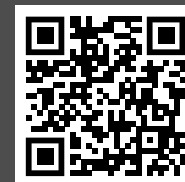
The dense tine spacing of 65 mm and the option of hydr. controlled rear levelling board, cage roller or rear harrow in combination allow every customer to select the right setup for the task.

Even in the heaviest soils, CrossLine will create a high quality seedbed. In order to maximize the levelling effect of the cultivator, even a full wide front board is an optional accessory.



CROSSLINE

- A NEW LEVEL OF PRECISION



The narrow tine spacing of the CrossLine ensures a very intense cultivation throughout the working width especially targeted farmers wanting to achieve the perfect finish on heavier soil types prior to seeding high value small seeds. The CrossLine is aimed at ploughed and cultivated soils.

The big wheels and optional front support wheels ensure a very precise working depth even at operation speeds up to 15 km/h.



65 mm tine spacing and TerraFlex tine

The well-proven tine with very precise depth control and aggressive vibration ensures the right distribution of soil particles, a very aggressive cultivation and perfect finish even on heavy clay. Tine spacing of 65 mm with 42 mm tine point matches precision seedbed cultivators. The narrow tine spacing means that in reality everything is cultivated.

The long frame with evenly spaced tine axles make an optimal tine distribution possible. Thus CrossLine cultivator is a very open model suited even for cultivated fields with remaining plant residue.

CrossLine is in a different class than traditional seedbed cultivators.

STRONG AND TORSIONALLY RIGID FRAME

The chassis of Multiva harrows have two or three strong transverse frame beams and 60 mm tine axles. The twin or triple beam structure and heavy tine axles, combined with Double Grade special steel, add considerably to the torsional rigidity of the frame and the lifespan of the harrow.

In CrossLine and TopLine Super XL, the height of the frame beams is 120 mm. In practice, that means a 54% stronger frame structure than when using 100 mm frame beams.

MULTIVA

STORY

Tomi Tasanen farms Hemminki farm in the Nousiainen Finland. Tomi represents 11th generation as the owner of the farm which produces cereals as well as blackcurrant berries.

The farm has had a Multiva cultivator even earlier, but the new CrossLine offers additional benefit for the farm. "The most important in the CrossLine is the effective and heavy front levelling board, aggressive tines with open construction and the crumbling rear levelling board together with cage roller" comments Tomi. The effectiveness of the Multiva CrossLine and it's accessoires is highly appreciated in the Hemminki farm due to it's increased cultivation effectiveness of which benefit is clear, one less cultivation pass.

"In my opinion it is very important to remember to equip the cultivator according to the farms needs and not leave out accessories that greatly benefit the cultivation result" explains Tomi Tasanen.



watch on YouTube

TECHNICAL DATA

All rights reserved | Accessories at www.multiva.info

CrossLine	600	700	800	900	1000	1250	1500
Number of tines	90	102	120	135	153	200	223
Tine spacing, mm	65	65	65	65	65	65	65
Number of tine axles	9	9	9	9	9	9	9
Working width, cm	600	680	780	880	1000	1300	1450
Frame length, cm	410	410	410	410	410	410	410
Transportation width, cm	300	300	360	360	440	440	440
Transportation height, cm	310	350	380	425	440	440	440
Power requirement, hp*	140	180	220	250	280	360	400
Tyre size	340/55-16	340/55-16	340/55-16	340/55-16	340/55-16	340/55-16	340/55-16
Number of tyres	8	8	8	8	10	10	14
Weight, kg	4230	4880	5650	6090	7370	9320	11025

* Traction power requirement is indicative and is defined for a working depth of 5 cm



Front support wheels

Front support wheels for the side sections are available as accessories for TopLine Super XL and CrossLine harrows. Front support wheels smoothen machine travel at larger working widths. This becomes especially important when using higher cultivation speeds.

Big flotation tyres

Multiva harrows have big flotation tyres and sturdy wheel hubs. The largest tire size, 340 / 55-16, is standard on TopLine Super XL and CrossLine models.



TOPLINE SUPER XL

- MULTI-PURPOSE METHOD



The TopLine Super XL represents the latest generation of S-tine harrows, suitable for cultivating large areas. The easy to use and versatile machine makes cultivation run smoothly even in harsh conditions.

The cage roller and the rear harrow are easy to adjust with a handle that is delivered with the unit. The TerraSuper 12x65 tine makes it possible to make seedbed cultivation directly in stubble. The TopLine Super XL is a high-performance harrow, reaching a cultivation speed of up to 15 km/h.



Ultra durable tine points

Multiva cultivators can be fitted as an accessory with extremely wear resistant carbide tine points. The advantage of carbide tine point is naturally greatly increased working life-time of the tine points. In addition the cultivation result remains uniform as the cutting angle towards the soil is unaltered.

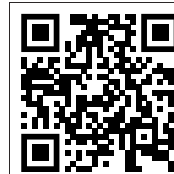


MULTIVA

STORY

In the Haarala farm in Finland operations are varied. The farm has 320 hectares in use, all of which are in organic production. In addition, the farm produces honey and sells traditional American work clothes.

The farm has TopLine Super 900 XL S-tine cultivator in use, which has proven itself as a successful investment. "The experiences are very positive, we got just the right implement we were searching for" explains the owner of the farm Ari Vappula. The TopLine Super XL is used mostly in the seedbed preparation works in the spring, but also stubble cultivation in the autumn as well as preparing the soil for cover crops are tasks where the Multiva is utilized. "Even on the soft soils the the TopLine Super XL did not clog up because of plant residue, we are even surprised of the excellent openness" Ari Vappula mentions. In Haarala farm completely level seeding bottom is sought after and goosefeet tine points where thus selected for the cultivator. "The cultivation result has been without any bumps or unevenness. It is completely level just as we wanted" highlights Ari Vappula.



watch on YouTube

TOPLINE SUPER XL MULTI-PURPOSE METHOD

One harrow for every application

Thanks to its excellent cultivation qualities, the same harrow can be used for seedbed preparation and stubble cultivation in the spring, as well as for straw harrowing in the autumn. Furthermore, the TopLine Super XL harrow enables shallow cultivation in the autumn following the harvest. The harrow tines can be equipped with goosefoot tine points to combat weeds.

TECHNICAL DATA

All rights reserved | Accessories at www.multiva.info

TopLine Super XL	600	700	800	900	1000	1250	1500
Number of tines	59	67	77	87	101	129	143
Tine spacing, mm	100	100	100	100	100	100	100
Number of tine axles	9	9	9	9	9	9	9
Working width, cm	600	680	780	880	1000	1300	1450
Frame length, cm	410	410	410	410	410	410	410
Transportation width, cm	300	300	360	360	440	440	440
Transportation height, cm	310	350	380	425	440	440	440
Power requirement, hp*	140	180	220	250	280	360	400
Tyre size	340/55-16	340/55-16	340/55-16	340/55-16	340/55-16	340/55-16	340/55-16
Number of tyres	8	8	8	8	10	10	14
Weight, kg	4230	4880	5650	6090	7370	9320	11025

* Traction power requirement is indicative and is defined for a working depth of 5 cm



Open structure

The eight tine axles of Avaran, evenly distributed over the whole frame, create the foundation for an open, plant residue penetrating structure. Long, 3.3 meter frame allows a generous distance between the tine axles. The optimum tine distribution for excellent penetration has been tried and tested.

Full cut with goosefoot tine point

Straight goosefoot tine points are available for both Multiva Avaran and TopLine Super XL harrows as accessories. With goosefoot points, Avaran produces a very smooth seedbed with up to 12 cm tine spacing. Goosefoot point is a very effective tool for the prevention of weeds. Therefore Avaran with goosefoot points is an excellent cultivator for organic farming as well.



AVARAN

- VERSATILE PERFORMANCE

Multiva Avaran is an S-tine harrow for efficient seedbed preparation of lightly cultivated, minimum tillaged and plowed soil. Avaran is also suitable for shallow stubble cultivation under good conditions with 12 cm tine spacing.

8 tine axles and strong 10x65 mm TerraSuper tines ensure good soil penetration and provide an effective and versatile combination for soil preparation.





Narrow transportation width

With Multiva Avaran harrows, transportation on road is easy and safe. All Avaran models have the transportation width of 3 m.

AVARAN - VERSATILE PERFORMANCE

Impressive crumbling

The vibration of Avaran's TerraSuper tines is extremely aggressive. TerraSuper tine's ability to crumble the ground is in a class of its own. Strong vibration also improves the penetration of plant residue. Together with powerful rear accessories, Multiva Avaran's crumbling performance is high also in dry conditions. When using a denser tine spacing, Avaran cultivates the soil very efficiently and produces a smooth cultivation bottom.



TECHNICAL DATA

All rights reserved | Accessories at www.multiva.info

Avaran	600	700	800
Number of tines	75/50	87/58	97/64
Tine spacing, mm	80/120	80/120	80/120
Number of tine axles	8	8	8
Working width, cm	600	700	800
Frame length, cm	330	330	330
Transportation width, cm	300	300	300
Transportation height, cm	300	340	390
Power requirement, hp*	140	180	220
Tyre size wing section	250/65-14.5	250/65-14.5	250/65-14.5
Number of tyres	8	8	8
Weight, kg	3620	3920	4220

* Traction power requirement is indicative and is defined for a working depth of 5 cm



Safe road transport

The wide single wheels not only ensure a small footprint in the field but also bring more stability while transporting the machine on the road. 380mm single wheels (EVO 600-700) or 480mm single wheels (EVO 800-1000) placed in the far corners of the center frame increase stability and reduce movements at road speeds.

Optional brake systems allow the Optima EVO to be put to a stop in a safe and comfortable way. One line hydraulic brakes or combi brakes (hydr/air) are optional on all models from 8 m working widths and up. Narrow transport dimensions of the Optima EVO models further increase the road safety.



OPTIMA EVO

- BEST IN CLASS

Multiva Optima EVO is a new version of the popular and tested Optima model. Built for effective seedbed preparation on varying soils, Optima EVO offers the user an even more stable basis for the cultivation.

The large wheels ensure uniform working depth thanks to the increased carrying capacity as well as smooth and safe ride thanks to the increased stability. The aggressive TerraFlex tine and the effective rear accessories ensure the best cultivation effect in its class for the new Optima EVO.





Increased cultivation effect

To meet the request from professional farmers, different combinations of rear accessories are available for the Optima EVO range.

The combination of hydraulically operated rear levelling board and a cage roller creates a level surface and increases the amount of fine soil in the top layer, suitable when growing high value crops such as sugar beets, canola, and grass seeds.

A 2-row rear harrow is offered for minimum tillage systems. It allows more residues to pass without risk of blockages while creating the same harrowing effect as the traditional 1-row rear harrow, which is also available.



OPTIMAL CULTIVATION

Optima EVO models have a rigid, durable and highly work-depth maintaining Multiva TerraFlex tine. Stable work-depth produces a smooth seedbed and cultivation layer, making conditions for sprouting most favorable.

Optima EVO is a heavy harrow, but large tires keep the set working depth regardless of the soil type. Thanks to its long chassis and seven tine axles, it is also very clog-proof.

MULTIVA

STORY

Savela Farm in Sastamala, Finland operates on around 600 hectares of arable land and has together with partner hog production of 5500 animals.

The farm has invested on Multiva Optima 1000 EVO s-tine cultivator as a replacement for the older Multiva harrow. The effective seedbed preparation is essential for the crop production on the farms heavy clay soils. The sufficient working width of the new Optima ensures high work achievement on the busy seeding season.

"The seeded area per days is usually 70 hectares and everything is harrowed twice with the Optima EVO. About 150 hectares of cultivating per day is already very nice" explains the owner of the farm Juha Savela.

He is also in general very satisfied with the Optima EVO and it's effectiveness.

"It is great to be able to acquire a top tool from local manufacturer which I'm very satisfied with."



watch on YouTube

TECHNICAL DATA

All rights reserved | Accessories at www.multiva.info

Optima EVO	600	700	800	900	1000
Number of tines	79	97	105	117	129
Tine spacing, mm	75	75	75	75	75
Number of tine axles	7	7	7	7	7
Working width, cm	590	690	790	890	980
Frame length, cm	300	300	300	300	300
Transportation width, cm	300	300	400	400	420
Transportation height, cm	320	360	400	400	420
Power requirement, hp*	100	120	140	160	200
Tyre size wing section	250/65-14.5	250/65-14.5	300/65-12	300/65-12	300/65-12
Tyre size center section	380/55-17	380/55-17	480/45-17	480/45-17	480/45-17
Weight, kg	3100	3500	4450	4850	5190

* Traction power requirement is indicative and is defined for a working depth of 5 cm

Innovative solutions for new practices

At present, new farming practices are thriving. Hybrid farming, organic farming or no-till are examples of the innovative minds of farmers. Always looking ahead in a continuously changing world has led to new practices adopted by farmers around the planet. All the time, farmers evaluate their practices on the path to develop a more economic and environmentally sustainable way of producing food and products.

Multiva aim to meet the demand of the innovative spirits, looking for efficient machinery to accomplish the daily tasks. For the developing carbon farming methods Multiva offers tools with no-till seeders and minimum tillage equipment.

Solutions for weed management

To meet the requirement of farmers looking to combat weeds prior to drilling or after harvest, we offer the TopLine Super XL and Avaran harrows. The two harrows are equipped with our strong TerraSuper tine ensuring a minimum variation in terms of working depth.

The weed control can be performed by utilizing a 140 mm goosefoot tine point to obtain a shallow and straight cut. The goosefoot tine point in combination with unique two-row rear harrow allow the weeds to be cut and pulled to the surface and left to dry out.

The efficiency of the machines can be further increased by mounting a seed hopper, allowing to drill cover crops, OLS or other species as well as cultivating at the same time. To cope with the challenges in dry conditions, even the TopLine Super XL can be fitted with a rear hitch allowing to pull a field roller behind to conserve moisture and increase accessibility to water for the small seeds.





MULTIVA



ACCESSORIES

- FOR MULTIVA HARROWS

Multiva harrows come with a great freedom of customisation. Hydraulic front levelling board, standard tine points and rear light kit come as standard equipment. Rear accessories and other extras can be selected based on the farm's soils, climate, and cultivation needs.

Hydraulic rear levelling board



Cage roller



Rear harrow in one or two rows



Full wide front levelling board



Track loosener kit



Light- and reflector kit



Hydraulic or pneumatic brake



Stabilizer bar for rear board



PERFORMANCE AND RELIABILITY

- WITH ORIGINAL MULTIVA PARTS

Tine points for TerraSuper tines



Goosefoot tine points for TerraSuper tines



Tine points for TerraFlex tines





Multifunctional machine with strong construction

DiscMaster's optimum disc size allows for precise seedbed cultivation as well as deeper basic cultivation. Multiva DiscMaster+ disc cultivators have frames that are dimensioned to be very strong and durable. The Double Grade special steel with strong structural integrity ensures a long service life.

Aggressive mixing of soil

The vertical tilt angle of the discs is receiving, which drives the discs towards the soil and achieves good mixing effect. This way, the soil is loosened and turned even in poor conditions, and the aggressive discs cultivate the plant residue efficiently. The heavily cultivating discs operate very well at wide range of speeds.



DISCMASTER+

- TRAILED, SEMI-TRAILED AND MOUNTED MODELS

Multiva DiscMaster+ is suitable for earthing large amounts of plant residue and shallow cultivation depth with great precision. The open structure and high frame make it a powerful cultivator. The mounted DiscMaster+ is easy to adapt with accessories to be a semi-mounted machine's functionality significantly.

Towable models have two sections, and they can be folded into transport position, divided into three parts, enabling the transport wheels to be located between the sections. This unique design makes the cultivator more agile in turns, and more stable w



d manure, but can also be used at a very
ame clearance make it a clog-proof cul-
mi-trailed cultivator, upgrading the ma-

tion with hydraulics. The disc roller is
the cultivation discs and the roller.
when working.

DISCMASTER+

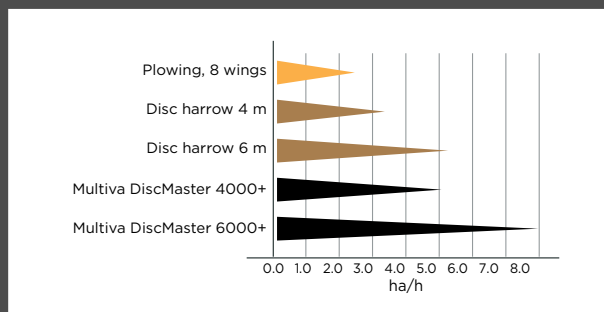
- COST-EFFECTIVE CULTIVATION



Bearing with a labyrinth seal

As the result of stringent product testing, DiscMaster+ features disc axles containing permanently lubricated bearings with labyrinth seals.

During testing, the labyrinth seal has been found to keep bearings free of dirt, guaranteeing an extremely long service life.



Effective cultivation that saves you money

Performance of a short disc harrow compared to a traditional disc harrow or a plow is significant, as shown in the accompanying table.

The performance difference is based on the high working speed of a disc cultivator. This will also result in lower labor, fuel and maintenance costs.

TECHNICAL DATA

All rights reserved | Accessories at www.multiva.info

DiscMaster+	300	350	400	5000	6000
Working width, cm	300	350	400	500	600
Number of discs	23	27	31	39	47
Disc diameter, mm	520	520	520	520	520
Number of sections	1	1	1	2	2
Power requirement, hp	100-120	115-140	130-160	170-210	200-250
Transportation width, cm	335	360	400	300	300
Transportation height, cm				360	400
Tyres	400-15.5	400-15.5	400-15.5	500/50-17	500/50-17
Weight, kg	2095	2300	2560	4780	5230

MULTIVA SEEDERS - SUCCESSFUL ESTABLISHMENT

When choosing Multiva seeder you will succeed in establishing crops in all conditions. Multiva seeding technology gives possibility to seed versatilely in plowed fields, after minimum tillage, as well as directly to stubble as no-till. Exact seeding

and optimal placement of fertilizer and seed ensure strong sprouting and good basis for the growth. The operating costs of Multiva seeders are very low. The double disc opener used in the seeders cut the soil cleanly and effectively

without significant cultivation effect. The power requirement is low and the fuel consumption very moderate. Also the wearing of the double discs is low and the service life is very long. Therefore the service costs are also very small.



FOR CULTIVATED SOIL

In cultivation system based on primary and secondary cultivation the Multiva seeding method offers extremely good and accurate placement of the seed and uniform sprouting around the field in all conditions. It is very well suited for seedbed created by S-tine cultivators, power harrows or disc cultivators. The Multiva seeding method is not sensitive to the unevenness of the seedbed thanks to the high coulter pressure and unique depth control system.



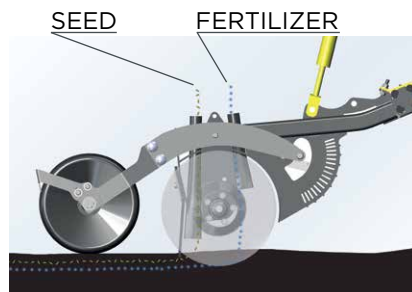
FOR MINIMUM TILLAGED FIELDS

In many circumstances, light cultivation of the soil is helpful in germinating of the volunteer grains, in the control of weeds, and in speeding up the drying and warming of the soil. Light cultivation before sowing is done with the Multiva TopLine Super XL harrow or disc cultivator. Cultivation can also be carried out using the seeder's own front cultivator.



FOR DIRECT SEEDING

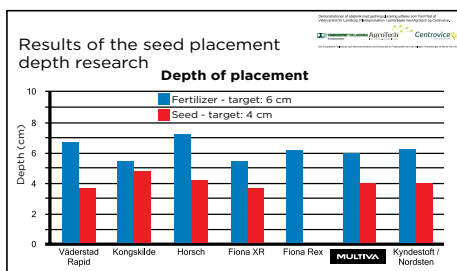
With Multiva Forte EVO and eForte, direct seeding can be achieved in all conditions, even in the toughest soil due to the high coulter pressure. The maximum coulter pressure can also be achieved with empty hoppers.



SEED AND FERTILIZER SEPARATELY

In Multiva seeders seed and fertilizer are placed from the same coulter to seedbed close to each other. Small layer of soil in between the seed and fertilizer prevents direct contact. Fertilizer is fed from the front of the disc to the bottom of the seedrow. The seed

is led from the back of the disc to the seedrow slightly above the fertilizer. The seedrow closes due to the packing effect of the covering wheel and the rear wheels, so that the seed is guaranteed to get good soil contact.



EXACT SEEDING

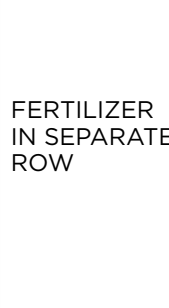
Thanks to the unique coulter structure of the Multiva drills, the seeding depth remains uniform even on uneven fields. The Cerex and Forte models have depth control with the covering wheel, which runs

immediately after the coulter. When the depth regulating closing wheel is close to the coulter the vertical depth variation is minimal and the placement very exact.

FERTILIZER
IN THE SAME
ROW



FERTILIZER
IN SEPARATE
ROW



STRONG SPROUTING AND FAST EARLY DEVELOPMENT

The position of the fertilizer close to the seed ensures plentiful supply of nutrients for the plant's developing root system. In dry and cold soil phosphorus is only slightly mobile for 1-2mm. If the nutrients would be placed 6cm away to a separate row it would take

considerable amount of time for the developing root system to reach them. In Multiva seeding method the plants develop strong root system and the early development is much stronger.



COST-EFFECTIVE SEEDING

The pulling resistance of the effective soil-cutting double coulter is small and there are fewer coulters than in traditional seeding machines. In addition, due to the large diameter of the transport wheels, the rolling resistance of the seed drill in the field is small.

Due to these factors, the power requirement and fuel consumption of the Multiva seed drill are low. The Multiva seeding machine is cost-efficient and fast.

COMMON FEATURES OF SEEDERS

- FOR THE BEST AGRONOMICAL RESULTS



Front disc cultivator

Front disc cultivator can be mounted on all Multiva seeder models.

The disc section is great at finishing the seedbed right before the seeding coulters. Thanks to the aggressive disc angle the discs can be used also directly in the stubble.

The equipment features a comfortable and sturdy platform with stairs on both sides for easy access and maximized work safety.



Innovative power transmission

Multiva EVO seeders use innovative power drive for the seeding axles. The power for the seeding axles is transmitted from the transport wheels with wheel drive system known from the boggie drive assistant used in the lorries. The system ensures uninterrupted drive in all conditions. The varying soil types do not affect the rotational speed of the system. The simple method is also very reliable and durable.



Precise adjustments

In Multiva EVO seeding machines, the adjustment of the seeding quantity is done by controlling the speed of the feeding axle. The gearbox is designed for reliability and exceptional accuracy to help the user to achieve exactly the desired seeding rates without compromise. Helpful guides to quickly set-up the machine for correct seeding rates is also included.



Easy and wide-ranging adjustment of coulter pressure

The coulter pressure of Multiva seeders is adjusted by means of hydraulics. Thanks to this, accurate seed depth is achieved even on hard soils. The visual display shows the user the coulter pressure, so that the adjustment can be made conveniently while driving, for example on varying soil types.



Great seeding rates

In Multiva seeders the metering system allows very high rates to be used. High volumes of spring seeds, special crops or large organic fertilizer amounts can be utilized with standard solutions. The large opening and spacious design of the feeding units and the metering rollers allow high outputs without problems. Multiva seeders are very well suited for example for organic production.



Capacity and durability

Multiva seeders have a hopper and frame structure which is exceptionally sturdy and durable, allowing high maximum working speed and offering the possibility to transport the seeder on roads with full hopper.

The most spacious hopper on the market makes effective seeding and high work achievement possible. The dividing wall between seed and fertilizer side is adjustable and the cover of the hopper is self-rolling.

Additional features with accessories

Multiva seeders can be equipped according to the customers needs. For example the front levelling board enhances the machine's performance when seeding directly to plowed or cultivated field.



Multiva seeders offer an unprecedented combination of sturdiness, seeding precision and cost effectiveness.



Seeding volume range from very small rate to very high

With Multiva seed metering all desired seeding rates can be achieved from the smallest special seed amounts to a very large organic fertilizer amounts per hectare thanks to the unique two-cell feeders.

Small seed to coulters

The placement of the material from the third build in hopper can be selected flexibly into the seedrow through the coulters or as top-dressing on top of the filed surfaces behind the coulters.

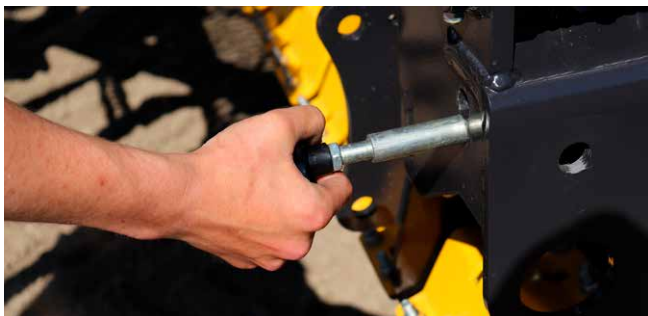


HOPPER & FEEDING

- LARGE CAPACITY AND UNMATCHED FLEXIBILITY

Multiva seeders have large hoppers, increasing the work achievement between the refills and therefore significantly improving the total work capacity.

The small seed hopper option is assembled inside the main hopper. Material flowing from the small seed hopper can be directed to the seed furrow or to the surface of the soil. Separate feeding units for small seed ensure precise calibration of seeding amounts.



Easy calibration

Calibration of the Multiva seeder is effortless and fast. By a simple lever the system can be set-up for calibration and detaching the seeding axles from the transmission is very easy thanks to the ingenious twist-and-lock mechanism.

Precision for small seeds

The Multiva feeder system is open and spacious which gives possibility to seed very large amounts of material thus being ready for organic fertilizers already as a standard. The system is also very flexible because of two cell design; when seeding small seeds with very small amounts extremely precise metering is achieved by separate feeder roller with small notching.

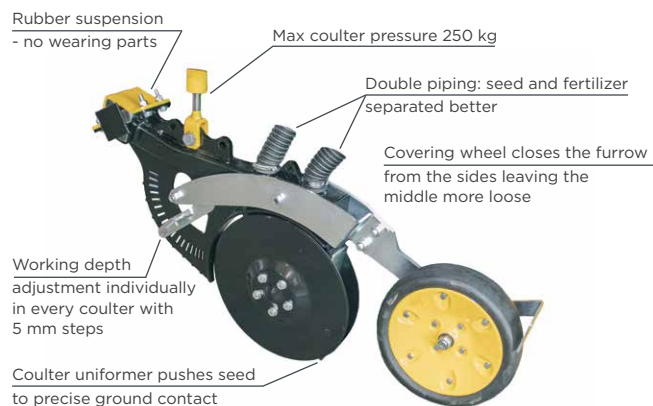




FX couler

The Multiva FX couler offers unparalleled accuracy of seed and fertilizer placement, durability and care-free operation. The double disc couler with large diameter is wear-resistant and service-free, there is for example no greasing nipples in the couler.

FX COULTER

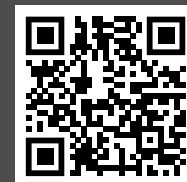


The multi-purpose Multiva FX couler is ideal for all soil and cultivation types. It does not clog even under the toughest conditions.



FORTE EVO

- SUCCESSFUL SEEDING IN ALL CONDITIONS



The Multiva Forte EVO machines represent the most reliable, versatile and accurate seeding technology on the market. The FX couler technology is developed to ensure the best agronomical results with reliable and service-free construction.

Seed and fertilizer are seeded at the same time with the same couler at different depths. Multiva Forte EVO is suitable for both cultivated soil as well as direct seeding. By choosing the Multiva seeding method, you can flexibly adjust to different conditions.



CEREX EVO

- RELIABLE PERFORMER

Multiva Cerex EVO all-around seeder is meant for plowed, minimum tilled or cultivated soils. Its ingenious and service-free coulters make the Cerex EVO seeders an economic tool for farms which rely on cultivation and seedbed preparation.

Cerex EVO seeders use a type of coulters which has advanced technical solutions for the Forte direct seeders incorporated, the seeding depth controlling covering wheel as an example.



Exact seeding

In Multiva Cerex seeders seed and fertilizer are placed to the soil through the same coulters. Fertilizer is fed from the front of the coulters to the bottom of the seed furrow. The seed is placed from the rear of the coulters slightly above the fertilizer. The seedrow closes due to the packing effect of the covering wheel. Exact placement is ensured by the depth controlling covering wheel. The seeding depth remains uniform even on rough field surfaces. Thanks to the individual control for every coulters even the hopper filling level does not affect the seeding depth.

High coulters pressure

The double-disc openers used in the Multiva Cerex seeders can have maximum coulters pressure of 120kg. This ensures accurate seeding and placement even on minimum tilled fields.

Service-free coulters

The coulters used in the Cerex seeders is very durable and service-free. Rubber suspension is used in the coulters frames as protection against obstacles. The covering wheels' frame have a service free joint. Thanks to the ingenious construction no lubrication nipples are required in the coulters.



Reliability with electricity

The new way of powering the seeding drive in the Multiva e-models is reliable and proven. The electric motors used are durable and have a long service life. The power is provided simply through Isobus-connection making the start-up of seeding operation fast and easy. The speed signal for the metering is taken from the rear wheels of the seeder or alternatively from the tractor bus thus making the speed signal precise and reliable.

Isobus connectivity

Multiva eCerex and eForte models are as standard with Isobus connectivity. This makes it easy to prepare the units for work. The power for the electric seed metering is also provided safely by the Isobus connection.

The advanced SeedPilot Isobus control software is conveniently prepared to be used with any Isobus terminal. Retrofit kit is available from the factory to connect the seeder to non-Isobus tractors.



e-MODELS

- eFORTE & eCEREX



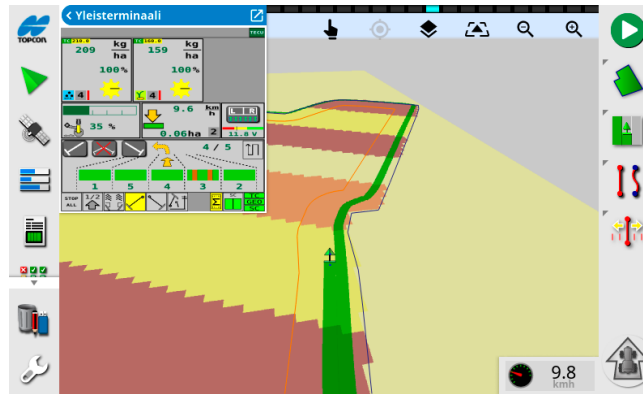
Multiva e-seeders are a revolutionary concept for powering the seeding axles and the metering. With heavy-duty electric motors a extremely accurate and fast adjustment of seeding rates is achieved. The customer benefits with exact seeding result, very easy set-up and Isobus- connectivity, readiness for variable rate application of seed and fertilizer based on prescription maps as well as section control functionality for automatic headland management and half machine shut-off. Both eCerex and eForte are available as electric versions.



eTwin motors

With Multiva eTwin motors additional seeding axle motors are added for the possibility of automatic half machine shutoff with the help of Isobus Section Control.

All three hoppers available can be controlled with Section Control half machine shutoff to save in inputs preventing overlap in headlands or diagonal parts of the field.



On-the-go adjustments / Variable rate

Multiva Isobus seeders are always ready for variable rate application of both seed and fertilizer based on prescription maps.

With e-versions even the third hopper can be adjusted automatically on the go.

The precision agriculture and the optimized use of inputs is essential to achieve the best economical as well as environmental efficiency in farming.



Intelligent calibration

The calibration of the seed, fertilizer or small seed rate is effortless in the Multiva e- models. The user can save up to 18 different calibration values for different materials, 6 per hopper.

The use of saved calibration values greatly reduces the time used to set-up the machine for different seeding varieties.

The calibration itself is very easy to perform and results in very accurate seeding rates.





MULTIVA CONTROL SYSTEMS

The Multiva control systems are developed for easier user experience and more productive properties.

Design of the control systems is fresh and the development has been focused to offer to the user the best possible work efficiency and increased user value in the Multiva seeders.

Multiva SeedPilot

The Multiva SeedPilot control system is a tool to use the Multiva seeders without compromise.

It is extremely intuitive and user-friendly and it is very easy for the operator to gain the benefits of the increased work efficiency.

SeedPilot is delivered with high quality 7" color touch screen. All the necessary information is readily available on the main page of the SeedPilot software.

Also, the monitoring of the implement is effortless with clear symbols in the status bar. The SeedPilot also offers the possibility to monitor the adjustable coulter pressure directly from the screen as well as multiple memory slots for example fertilization calibration values.



Multiva SeedPilot ISOBUS

The intuitive SeedPilot control system is also available in ISOBUS version enhancing the product properties even further.

All the benefits of the SeedPilot control software are available in all the ISOBUS equipped tractors with just a simple connection.

The SeedPilot ISOBUS offers support to TC-BAS and TC-GEO as well as TC-SC properties giving possibility to control the seeder with predetermined tasks as well as control it for example with pre-made fertilization maps with the help of GPS. The Section Control feature lessens the user's workload with automatic headland and half-machine shutoff.

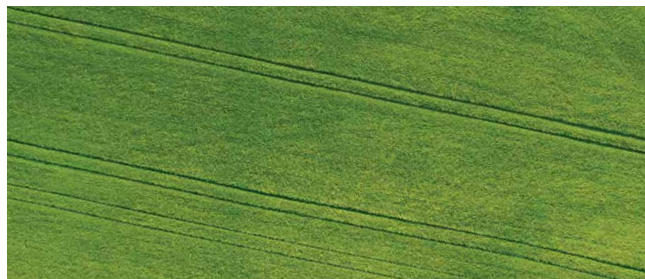
Multiva ISOBUS accessories

SeedPilot ISOBUS control interface can be equipped and expanded with several extra features.

There are robust and high quality 7" color terminals available in ISO-InCab version as add-on to an ISOBUS tractor as well as an ISO-Retrofit version for non-ISO-bus tractors.



For both terminals also a TC-license package and GNSS antenna can be selected which further increases the usages of Multiva ISOBUS terminals. These give the user a possibility for example to use optimal fertilizer rate according to the predetermined prescription map and position in the field.



AEF certified ISOBUS system

Multiva SeedPilot ISOBUS is an officially AEF certified ISOBUS system.



Multiva Forte EVO and Cerex EVO machines are also available with RDS 200 controller as an alternative.



PRIMARY ACCESSORIES

- FOR MULTIVA e- AND EVO SEEDERS

TECHNICAL DATA

All rights reserved | Accessories at www.multiva.info

eFORTE & FORTE EVO	300	400
Working width, cm	300	400
Transportation width, cm	300	409
Hopper filling height, cm	215	215
Hopper volume, l	3800	5300
Small seed hopper volume, l	370	510
Coulter pressure, kg	50-250	50-250
Tyre size	250/80-18	250/80-18
Number of coulters	20	26
Row spacing, mm	150	154
Work speed, km/h	8-12	8-12
Power requirement, hp	90	120
Weight, kg	4200	5500

TECHNICAL DATA

All rights reserved | Accessories at www.multiva.info

eCEREX & CEREX EVO	300	400	600
Working width, cm	300	400	600
Transportation width, cm	300	409	300
Hopper filling height, cm	215	215	310
Hopper volume, l	3800	5300	6050/6500
Small seed hoppers' volume, l	370	510	450 (+400)
Max coulter pressure, kg	120	120	120
Tyre size	250/80-18	250/80-18	250/80-18
Number of coulters	20	26	40
Row spacing, mm	150	154	150
Work speed, km/h	8-12	8-12	8-12
Power requirement, hp	90	120	200
Weight, kg	3300	4350	9650

Front disc cultivator



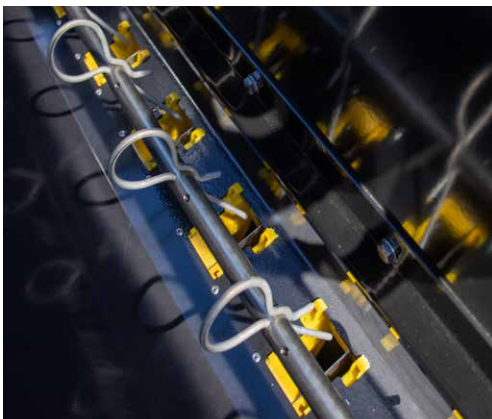
Turbo Disc



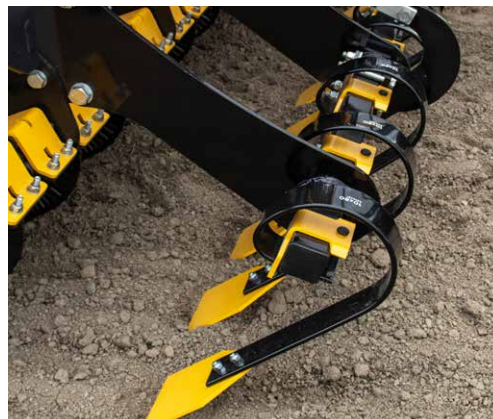
Small seed hopper



Dispenser axles



Front levelling board



Front straw harrow



Front packer wheels



Middle markers



Rear harrow



Rear tramline markers



Stone scrapers



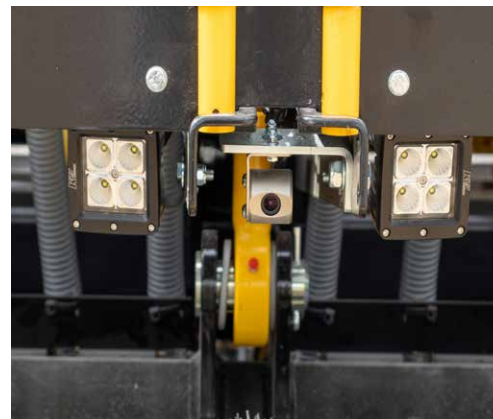
Track looseners



Light and reflector kit



Work lights and camera





eCEREX 600

- HIGH CAPACITY WITH PRECISION



The new Multiva eCerex 600 is a seeder for professional farms who seek high capacity and precision of work together with unparalleled flexibility. Multiple materials can be seeded at the same time from 4 different hoppers for example to different rows and placement depths. The eCerex 600 is capable of seeding in varied conditions from ploughed soft soils to mulch seeding and even limited no-till can be performed.

The seeder utilizes proven Cerex precision type coulters with safe method for seed and fertilizer placement close to each other but separately.

The seeder's advanced Isobus control system SeedPilot Air offers intuitive and easy to learn interface, flexible and easy set-up of tramlines, Section Control headland management and automatic shutoff of working width as well as variable rate application.

MULTIPURPOSE METHOD

FOR CULTIVATED SOIL

eCerex600 is a perfect seeder for plowed conditions. The large offset wheels carry the machine well and compress the soil before the coulters. The disc cultivator and levelling board prepare and even out the seedbed for perfect result. The front packer wheels consolidate soft seedbeds for smooth operation.

FOR MINIMUM TILLAGE

Seeding directly to stubble cultivated field is a perfect job for the eCerex 600. The front tools level the field surface and finish the seedbed for optimal condition. The high coulters pressure ensures a desired seed placement even in rougher surfaces.

FOR LIMITED NO-TILL SEEDING

On soft soils the Cerex coulters can even do limited no-till thanks to the high 120kg coulters pressure and the optimal work angle and the large diameter of the opener discs.

Flexible seeding options with up to four hoppers

- Large seeding amounts per hectare
- Precise seeding for all materials
- Large hopper size: 6,5m³

SeedPilot Air Isobus control interface

- Easy to use software
- Versatile control of the machine
- Headland management with sequence control

Various equipments complete the seeder

- Large packer wheels consolidate the field surface
- Effective front disc section with 460mm discs
- Front levelling board with dense spacing
- Rear harrow with half-lift

Flow control system

- Easy operation from the terminal
- Management of tramlines
- Blockage monitor
- Automatic shutoff with Section Control
- Easy selection of rows in use

Precision coulters with 120kg pressure

- Successful seeding on ploughed, mini-till and even limited no-till conditions
- The coulters follow the contours of the soil freely
- Easy individual coulters adjustment in 5mm steps





Easy seeding and soil preservation

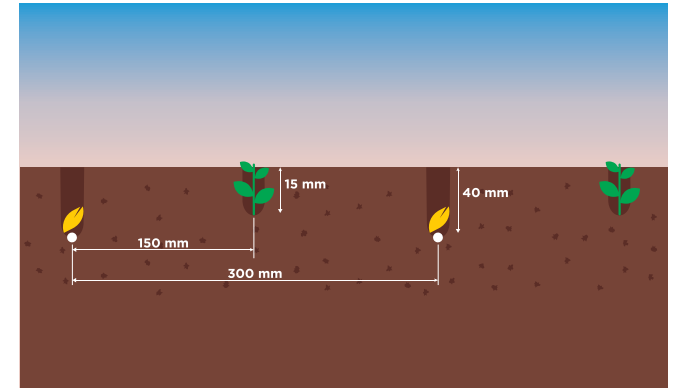
Multiva eCerex is equipped with large wheels that rotate well even on softer soils. The offset design of the wheels ensures problem free rotation without floating or blockages. The wheels have a large surface area which prevents harmful compaction of the headlands on operation. The low pulling resistance of the wheels together with optimal and economical coulter angle means that Multiva eCerex 600 is one of the lightest machines to pull on the field thus saving costs.



Flexible seeding and large hopper

Multiva can be equipped with three separate hoppers and even fourth hopper can be added to the front of the machine. This with independent coulter adjustment gives great and varied possibilities to seed different materials through different coulters to right seeding depths. The large hopper size 6500 litres makes a high work achievement possible.

Multiva eCerex is developed for high level of flexibility. For example at one pass grass seed can be seeded from every second coulter with shallow depth setting and cereals from every second coulter with deeper setting. Also the output from the two main hoppers can be switched from one distributor to another.



Front packer wheels

Large packer wheels consolidate the field surface on lighter soils and breaks clods and levels on harder soil types. The packer increases the carrying of the machine on fields.

Front disc section

Effective front disc section with large 460mm discs gives opportunity to finish the seedbed or even create seedbed from the stubble in direct seeding operations. The aggressive disc mixes the soil well and creates smooth seeding bottom.

Front levelling board

Front levelling board with dense spacing creates very even field surface for seeding. Can also be equipped independently without the front disc section.



Precision type coulter

The already well tested Cerex seeders offer combination of precision type coulter with reliable and service free construction and very exact seed and fertilizer placement. The coulter places fertilizer from the front of the coulter to the bottom of the seeding furrow and the seed slightly on top in contact with the firm soil. The direct contact with seed and fertilizer is reduced to minimum but the benefit of availability of nutrients for strong early growth is achieved.

The working depth of Cerex coulters is controlled individually by the closing wheel which limits how deep the placement of material is made. The coulters are allowed to follow the contours of the soil freely and the placement over the width of the seeder is very even. The high 120 kg coulter pressure is achieved even with deep working depth not only on top of the soil ensuring good penetration and placement even on rough and heavy conditions.

The coulters can be easily adjusted from the rear of the machine with accurate 5mm steps. The individual control of coulters allow even different seeding depths for different coulters when seeding different materials.



eCEREX 600 UNCOMPROMISING RESULTS





Trustworthy feeder and airlines

Multiva eCEREX 600 utilizes reliable and precise Multiva feeder technology. The robust and durable cast aluminium feeder is especially designed for precision with multiple crops. The seeding of different materials and rates are achieved with changing the feeder roller and the servicing and cleaning is easy thanks to the closing flap. The eCEREX features airlines made of stainless steel with great service life.

The seeder has been build for suitability to demanding Nordic conditions with high seed and fertilizer rates. The rates needed for example in spring seeding are achievable in practical conditions and high driving speeds. This gives capacity of work and makes possible the use of organic fertilizers as well.

Safety and convenience

Multiva eCEREX is always equipped either with hydraulic or air brakes and has a narrow 3m transport width making the safe road transport possible. The large lights and reflectors ensure a good visibility of the machine even on low light conditions.

The hopper is equipped with railings for safe hopper filling. Only one side section can be also opened for easy filling and calibration.

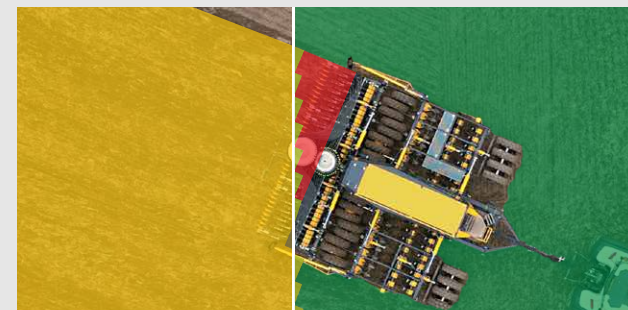
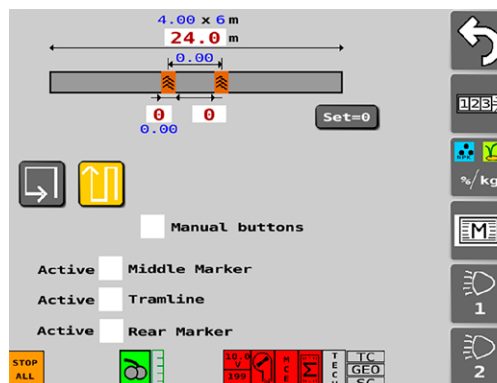
ADVANCED CONTROL FUNCTIONS

Multiva eCEREX 600 utilizes the user friendly and advanced SeedPilot Air Isobus control system. The SeedPilot Air interface is very intuitive and easy to learn and operate with easily monitored visual environment. The control system is as standard supporting the precision farming features like variable rate application for all 4 hoppers as well as automatic seeding shutoff for 2 main distributors with the help of Section Control functionality. The shutoff can be made as headland management for the whole machine width or with 8 sections.



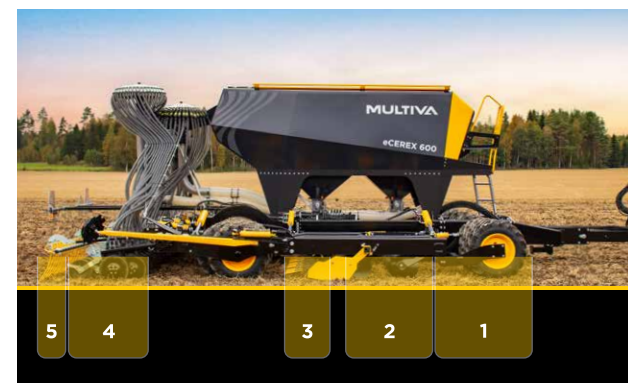
Flow control

The eCEREX 600 incorporates a flow control system which allows the user to freely adjust to all sprayer widths, tramline widths and sprayer track widths. This gives great flexibility for the operation of the seeder. The blockage monitoring and Section Control features are also built into the flow control system.



Sequence control

The eCEREX 600 has the acting tools controlled with sequence control easily from the SeedPilot Air controller. The user sets-up the sequence and utilizes the easy headland management.



Kommeri farm in Asikkala, Finland produced in season 2022 malting barley, caraway, canola as well as spring and winter wheat. The arable area of the farm is 90 hectares and in addition the new Multiva eForte seeder was utilized in contract work with total seeding area of 150 hectares.

"The seeder is great in no-till seeding, but I can use it to a full effect in all seeding works also on cultivated fields. That was the main reason when investing in Multiva" explains Ilkka Kommeri.

"In my opinion the adjustment of the eForte is very easy. The seeder places the material exactly as desired, and the metering is very precise. The seed amounts were very accurately matching the calibration values when the actual used seed was measured". "The benefit of the electric feeding as I see it is that the adjustment of the seeding rates on the go is possible with great accuracy. In addition, the premade prescription maps for seed and fertilizer based on the field nutrient conditions and the variable rate application based on the gps will be something we will utilize in the future". "I think that it is a sign of a good control software when it can be used with good effect without reading the manual" finalizes Ilkka Kommeri describing the intuitive SeedPilot Isobus control software of the eForte seeder.



watch on YouTube

In Kouvola Finland Hannu Tauru farms the Peräpelto farm with around 200 hectares. The farm concentrates in spring and autumn seeded cereals as well as oil-seeds.

The farm changed their earlier Multiva seeder to a new Forte 400 EVO for the latest season. Hannu Tauru has had also different brand of seeder for reduced tillage but the reason to choose Multiva is it's excellent accuracy of seed placement, ease of use and low pulling power requirement. The convenience of use and simple solutions receive an extra praise from Tauru. The new Multiva Forte 400 EVO is equipped with small seed kit which is utilized in the seeding of starter fertilizers as well as establishing grass together with cereals.

The versatile seeding characteristics of Multiva Forte EVO are praised by Hannu Tauru. "The seeder can do all kinds of seeding like no-till and also seeding on ploughed or cultivated soils. It is capable of penetrating unbelievable amounts of plant residue and I haven't clogged it in any practical condition. It is also great to have a seeder that I can pull so easily and lightly on the work."



watch on YouTube



Veikko Jokitalo from Sievi Finland operates the Puistola dairy farm. The farm operates 200 hectares together with their partner farm of which half is used for silage and 80 hectares for cereals.

When the farm invested in eCerex 400 the criteria for the new seeder were clear. It had to be user friendly, with clear and simple structure, have easy calibration and adjustability for different soil types.

"From offered seeders Multiva answered our requirements the best. The seeder has easy adjustment of coulter pressure for different soil types and the calibration of seeding rate is very easy to do. It was important that we can utilize the tractors and the seeders properties together in a best way to be able to do precision farming like variable seeding rates." explains Jokitalo.



watch on YouTube

MULTIVA



www.multiva.info

Manufacturer:

Dometal Oy

Kotimäentie 1

32210 Loimaa

FINLAND

T +358 10 843 7000