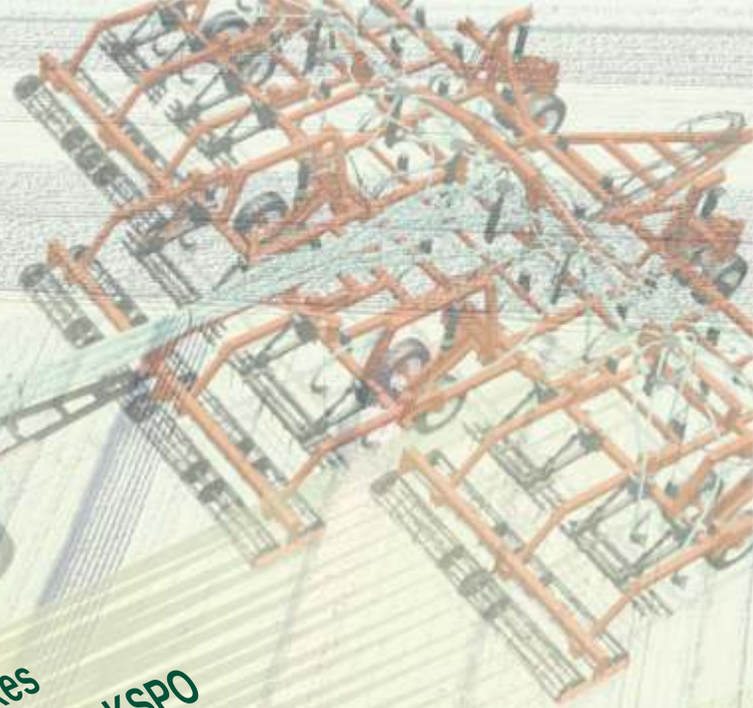
FEAT AGRO

BRAND PROVEN IN
THE FIELDS OF RUSSIA



- Sowing complexes
- Cultivators of series KSPO
- Disk stubble plows
- Harrows
- Rollers
- Trailed Swathing Tedder Rakes

Russian Agricultural machines

PRODUCT CATALOG


FEAT
AGRO
BRAND PROVEN IN
THE FIELDS OF RUSSIA

ABOUT AS

Agrocenter Company has been developing the direction of its production activities over 15 years. An extensive production basis with its own patented engineering developments, know-how as well as manufacturing facilities with the state-of-the-art equipment of domestic and foreign origin was created during this period of time. The enterprise produces over 25 models of agricultural machinery for various purposes under the trademark “FeatAgro”.

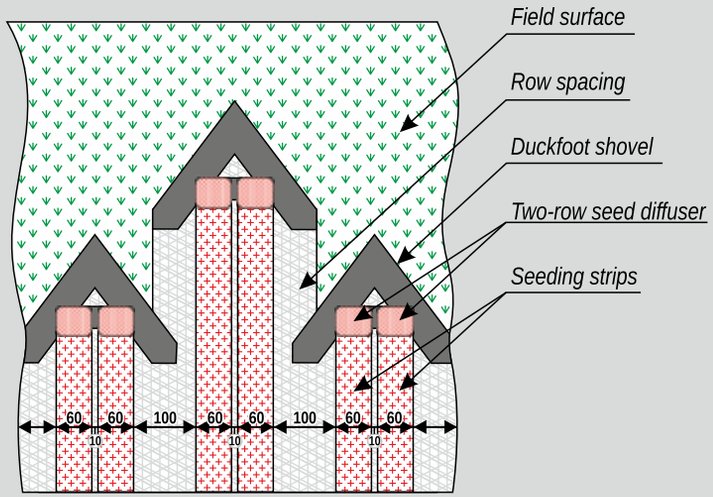
Sowing Complexes

with seed placement into the shovel

The sowing complex “FEAT” with the seed placement into the shovel is designed for band planting of cereal, legume and small-seeded crops simultaneously with granulated fertilizers on the untreated background and soil handling in the cultivation mode: pre-sowing, autumn and fallow cultivation.

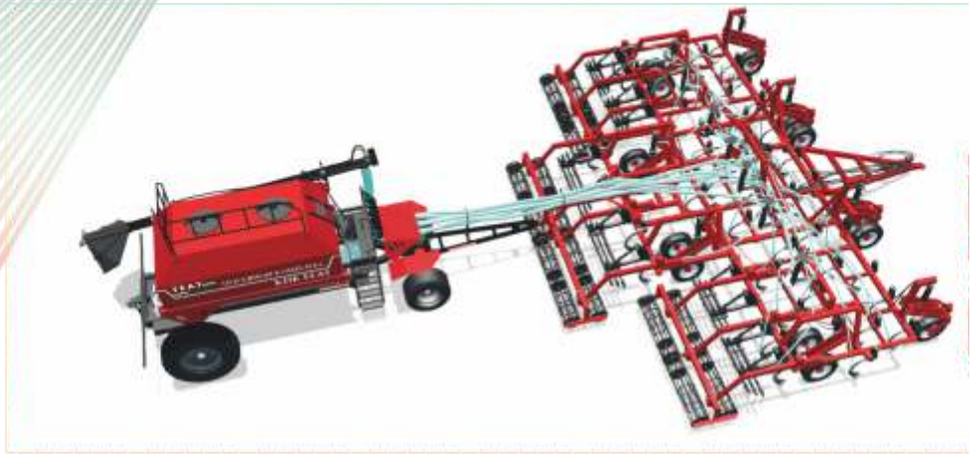
The complex is used in all agro-climatic zones, including those ones exposed to wind and water erosion, on all soil types, except for stony grounds. The application of the complex in the minimal tillage system is effective.

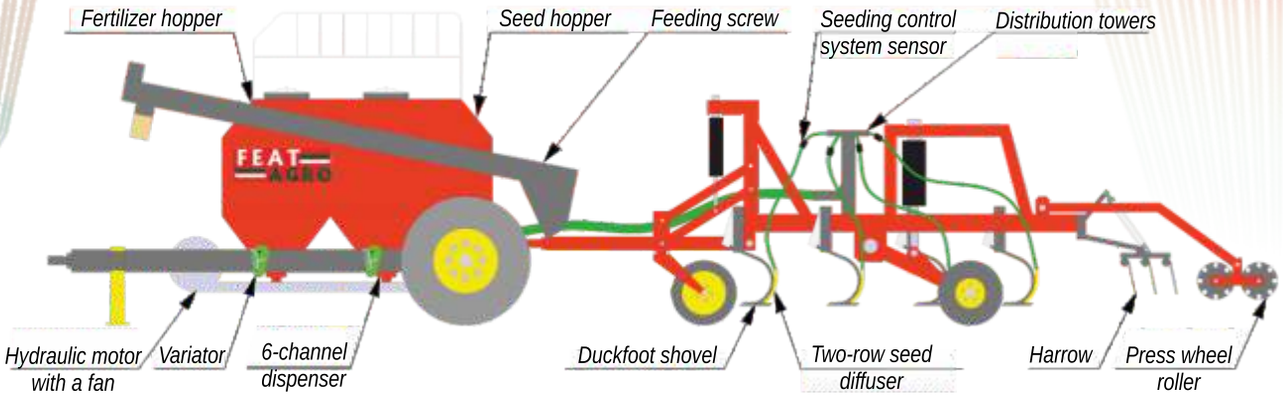
Scheme of seed placement into the shovel



SPECIFICATIONS

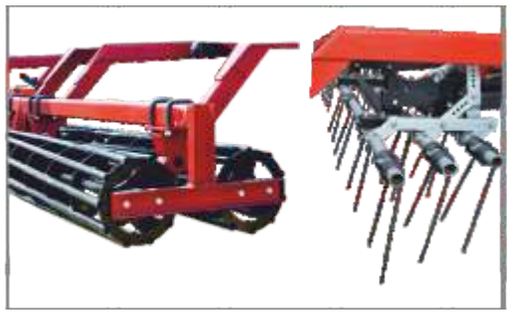
Parameter Name		KPK-540L	KPK-720L	KPK-850L	KPK-990L	KPK-1080L
Operating width, m		5,4	7,2	8,5	9,9	10,8
Productivity per 1 hour of basic time (at the speed of 12 km/h), ha, not less than		5,4	7,2	8,5	9,6	10,8
Number of tines, pcs.		24	32	36	42	48
Row spacing, cm				23,5		
Depth of seed placement (cereal/legume), cm				5-8 / 5-6		
Seed application rate (cereal/legume), kg/ha				2,5-400 / 35-400		
Loading volume of seeds 60%/fertilizers 40%				6,8 m^3, 10 m^3		
Transport speed, km/h				up to 20		
Seed drill dimensions in the operating position, mm	length width height	14000 5500 3800	14000 7200 3800	14000 8700 3800	14000 10000 3800	14000 11000 3800
Seed drill dimensions in the transport position, mm	length width height	14000 5500 3800	14000 5520 3800	14000 5520 3800	14000 5520 3800	14000 5520 4200
Seed drill weight without a seed hopper, kg		5000	6500	7300	8100	9000
Service life, years				7		
Number of operating staff, persons				1		
Tractor power, h.p.		200-250	250-300	300-350	350-400	400-450
Recommended drawbar force, t		4	5	6	7	8





Shovel with the diffuser

Shovel with separate placement



Press wheel two-row roller and three rows of small harrows

12-channel dispenser

- Each shovel is equipped with a two-row diffuser of the seed material which sows it in two strips 6 cm wide with a distance of 1 cm between strips (see scheme)
- There is a hole to discharge the air pressure in the seed diffuser that reduces damage to the seed material

CULTIVATOR FRAME:

- To manufacture the frame of the sowing complex, we use a thick-walled non-circular pipe from 09G2S construction steel. All bearing units are additionally reinforced and welded with gusset plates
- The reinforced frame enables the penetration: - during cultivation with a tine to 15 cm deep; - during autumn treatment with a chisel to 25 cm deep
- The structure of the sowing complex adopts only high-quality completing units manufactured in Russia and abroad (no completing units from China are used)
- The hopper may be manufactured in series in a fore-mounted or aft-mounted execution only

WORKING SECTIONS:

- There are four rows of tines 260 mm thick on the complex which ensure high-precision pre-seeding treatment at a predetermined depth and exclude their clogging with stubble residues
- To manufacture shovels, we use 65G high-strength steel that is stamped at a temperature to 900º with subsequent quenching and tempering. The cutting edges are treated with high frequency currents with application of VK8 hard alloy (used in the mining industry) to the shovel nose, which increases the shovel resistance to wear and tear as well as provides their self-sharpening during the operation
- The shovel overlap is 36 mm which ensures 100% cutting of weeds and field leveling
- The spring unit of C-shaped tine creates force on the shovel to 120 kg, allowing operation at a greater depth across the stubble field and soil treatment in the cultivation mode. It is possible to use a chisel or an assembled shovel. The spring unit is actuated if the working sections of the implement face with an obstacle and prevents breakage of its frame
- The tilling depth of the cultivator with a shovel is to 15 cm, with a chisel – to 25 cm
- The seed placement into the shovel helps perform continuous band planting of cereal and legume crops

Sowing Complexes

with the seed placement into the disc coulter

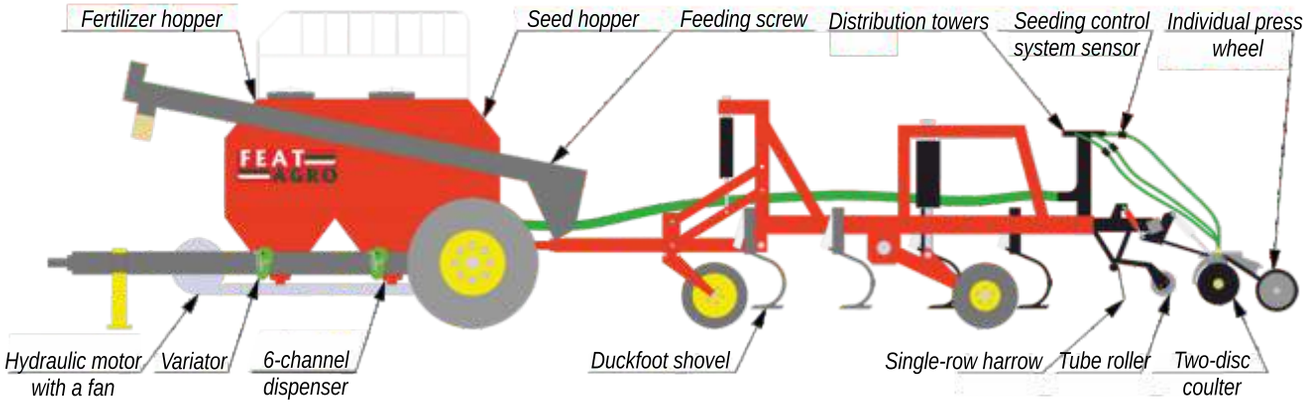
The combined sowing complexes of FEAT series with the simultaneous pre-sowing tillage and seeding into the disc coulter are designed for sowing of cereal, legume and small-seeded crops in drills on the untreated background with simultaneous application of granulated mineral fertilizers together with the seed material below the seedbed.

The cultivator part of the sowing complex is equipped with five rows of tines with a flat shovel. The double spring creates force on the shovel equal to 1000N (120 kg), which allows to treat soil properly at a given depth and ensures 100% weed cutting, while preventing from the unit damages when increasing the load on the shovel more than the nominal one.

Hopper with the liquid fertilizer distribution

SPECIFICATIONS

Parameter Name		KPK-540MB	KPK-720MB	KPK-850MB	KPK-990MB	KPK-1080MB
Operating width, m		5,4	7,2	8,5	9,9	10,8
Productivity per 1 hour of basic time (at the speed of 12 km/h), ha, not less than		5,4	7,2	8,5	9,6	10,8
Number of disc coulters, pcs.		36	48	54	66	72
Row spacing, cm				15		
Depth of seed placement (cereal/legume), cm				3-8/4-6		
Seed application rate (cereal/legume), kg/ha				2,5-400 / 35-400		
Loading volume of seeds 60%/fertilizers 40%				6,8 m^3, 10 m^3		
Transport speed, km/h				up to 20		
Seed drill dimensions in the operating position, mm	length width height	14000 5500 3800	14000 7200 3800	14000 8700 3800	14000 10000 3800	14000 11000 3800
Seed drill dimensions in the transport position, mm	length width height	14000 5500 3800	14000 5520 3800	14000 5520 3800	14000 5520 4200	14000 11000 3800
Seed drill weight without a seed hopper, kg		5700	8000	8500	9500	10500
Service life, years				7		
Number of operating staff, persons				1		
Tractor power, h.p.		200-250	300-320	320-350	375-420	420-500
Recommended drawbar force, t		4	6	6	7-8	7-8



Disc coulter with a press wheel

FKL bearing of the disc coulter

Section pressing cylinder

Damper unit (small harrow and roller)

Granulated fertilizer separate distribution system

Liquid fertilizer distribution system

12-channel dispenser

- Each section of disc coulters is pressed down with an additional hydraulic cylinder to increase pressure on the disc coulter
- Each coulter is installed on the parallelogram and pressed with a spring
- The depth of seed placement is adjusted by an individual self-cleaning press wheel roller

CULTIVATOR FRAME:

- To manufacture the frame of the sowing complex, we use a thick-walled non-circular pipe from 09G2S construction steel. All bearing units are additionally reinforced and welded with gusset plates
- The reinforced frame enables the penetration: - during cultivation with a tine to 15 cm deep; - during autumn treatment with a chisel to 25 cm deep
- The structure of the sowing complex adopts only high-quality completing units manufactured in Russia and abroad (no completing units from China are used)
- The hopper may be manufactured in series in a fore-mounted or aft-mounted execution only

WORKING SECTIONS:

- There are seeding coulters from two discs with an individual press wheel and the row spacing of 15 mm installed on the sowing complex. All of this provides favorable sprouts and density of planting
- The coulters are equipped with maintenance-free double-row bearings of FKL brand (Serbia). Their characteristics have a direct agricultural purpose and comply with all operation requirements under extreme conditions
- Every disc or roller has individual scrapers preventing them from clogging
- The coulters are located in chessboard order which also prevents clogging and shoveling
- The coulter group has not only an individual mechanical spring adjustment, but also a hydraulic cylinder adjustment. Using them, it is possible to create pressure on the disc coulter up to 82 kg, which allows operation on various soil types under different agroclimatic conditions while keeping the predetermined depth of seed placement

Sowing Complexes

with seed placement into the anchor coulter

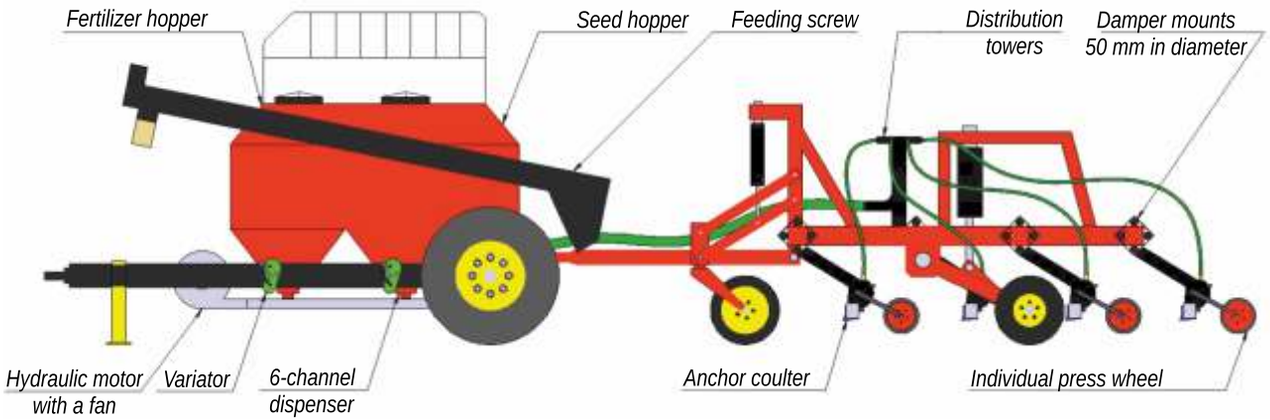
The combined sowing complex “FEAT” with the seed placement into the anchor coulter is designed for gutter sowing of cereal, legume and small-seeded crops simultaneously with granulated fertilizers on the untreated background.

The complex is used in all agro-climatic zones, including those ones exposed to wind and water erosion, on all soil types, except for stony grounds. The application of the complex in the minimal (Mini-till) and zero (No-till) tillage system is effective.

Hopper with the liquid fertilizer distribution

SPECIFICATIONS

Parameter Name		KPK-540A	KPK-720A	KPK-850A	KPK-980A	KPK-990AP	KPK-1110A	KPK-1200A	KPK-1250A
Operating width, m		5,4	7,2	8,5	9,8	9,9	11,1	12	12,5
Productivity per 1 hour of basic time (at the speed of 12 km/h), ha, not less than		5,4	7,2	8,5	9,8	9,9	10,8	12	12,5
Number of anchor coulters with a pitch of 232 mm, pcs		24	32	36	42	42	48	54	54
Number of anchor coulters with a pitch of 232 mm, pcs.		30	42	48	–	54	60	66	–
Row spacing, mm		180/232							
Depth of seed placement (cereal/legume), cm		3-10							
Seed application rate (cereal/legume), kg/ha		2,5-400							
Loading volume of seeds 60%/fertilizers 40%		6,8 m^3, 10 m^3							
Operating speed, km/h		10-12							
Transport speed, km/h		up to 20							
Seed drill dimensions in the operating position, mm	length width height	17,5 5,7 3,8	17,5 7,7 3,8	17,5 8,6 3,8	17,5 10 3,8	17,5 10 3,8	17,5 11,3 3,8	17,5 12,6 3,8	17,5 12,8 3,8
Seed drill dimensions in the transport position, mm	length width height	17,5 5,7 3,8	17,5 5,6 3,8	17,5 5,6 3,8	17,5 5,6 3,8	17,5 5,6 3,8	17,5 5,6 4,3	17,5 5,6 4,7	17,5 5,6 5,1
Seed drill weight without a seed hopper, kg		5700	8000	8500	9500	10000	10500	12150	14000
Service life, years		7							
Number of operating staff, persons		1							
Tractor power, h.p.		200-250	250-300	300-350	350-370	350-370	420	от 420	от 420
Recommended drawbar force, t		4	5	6	7	7	9	9	9



Seeding anchor on the damper mount

Seeding anchor on the parallelogram

Damper mount

CULTIVATOR FRAME:

- To manufacture the frame of the sowing complex, we use a thick-walled non-circular pipe from 09G2S construction steel. All bearing units are additionally reinforced and welded with gusset plates
- The reinforced frame enables the penetration: - during cultivation with a tine to 15 cm deep; - during autumn treatment with a chisel to 25 cm deep
- The structure of the sowing complex adopts only high-quality completing units manufactured in Russia and abroad (no completing units from China are used)
- The frame elements are manufactured at the industrial site of the plant of Agrocenter, LLC using laser cutting, welding and bead-blasting treatment, and then they are painted with a high-strength Masscopur or YarLI dye with obligatory dying in the chamber
- There are support wheels with KAMA tires installed on the frame
- The hopper may be manufactured in series in a fore-mounted execution only

MOUNTED EQUIPMENT:

- The coulter tine 25x80 mm is made of 60S2A steel on damping mounts 50x200 mm, with the soil pressure up to 300 kg
- The working stroke of the tine – 19 cm – ensures 100% soil copying independent of its relief
- The coulters 12 mm thick are made of 65G steel with a welded-on carbide blade VK8 and have individual press wheels with the atmosphere pressure tires
- The press wheels are equipped with maintenance-free double-row bearings of FKL brand (Serbia). Their characteristics have a direct agricultural purpose and comply with all operation requirements under extreme conditions
- In addition, a liquid fertilizer distribution system may be installed
- There are four rows of coulter tines located in chessboard order with the row spacing of 180 mm or 232 mm on the sowing complex, which exclude the clogging with stubble remains

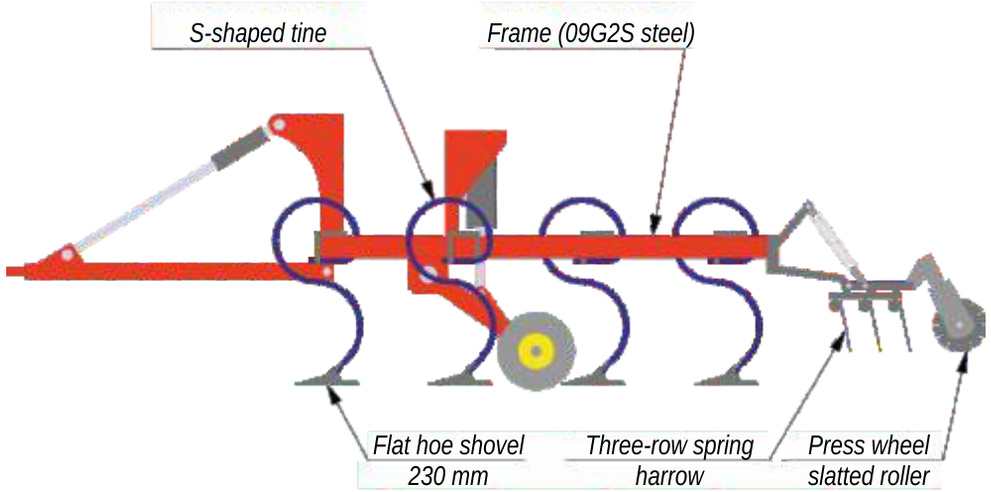
CULTIVATORS

KSPO LIGHT

KSPO Light Cultivators (lightweight cultivators) with a great range of operating widths are used in all agro-climatic zones, including those ones exposed to wind and water erosion. The application of KSPO Light cultivators is effective for early spring mulching, pre-sowing treatment and fallows with the aim of more effective weed control, leveling and compaction of the seed bed, pre-sowing rolling of the soil surface, as well as creating a uniform soil structure.

SPECIFICATIONS

Parameter Name		KSPO-750	KSPO-850	KSPO-950	KSPO-1050	KSPO-1200
Operating width, m		7,5	8,4	9,5	10,4	12
Productivity per 1 hour of basic time (at the speed of 12 km/h), ha, not less than		7,5	8,5	9,5	10,5	12
Number of tines with working sections, pcs.		37	41	47	51	59
Number of doubled spring teeth, pcs.		42	48	54	60	68
Number of spring teeth rows, pcs.				3		
Number of shovel rows, pcs.				4		
Operating depth, cm				3-12		
Operating speed, km/h				8-12		
Transport speed, km/h, no more than				20		
Dimensions in the operating position, mm	length width height	8100 7500 1500	8100 8500 1500	8100 9500 1500	8700 10500 1500	8700 12000 1500
Dimensions in the transport position, mm	length width height	7800 5200 3500	7800 5200 3700	7800 5200 4000	7800 5200 4500	7800 5200 5000
Weight, kg		3900	4200	4400	4500	5000
Service life, years				7		
Number of operating staff, persons				1		
Tractor power, h.p.		120-170	170-200	190-220	220-300	300-350
Recommended drawbar force, t		2-3	3-4	3-4	4-5	5



Mounted equipment: press wheel roller and three--row spring harrow

KSPO tine (Spain)

KSPO tine (Agrocenter)

Duckfoot shovel 230 mm

CULTIVATOR FRAME:

- Thick-walled non-circular pipes of various section with the wall thickness from 6 mm to 16 mm from 09G2S steel
- Adjustment of penetration with the hydraulic system with a pitch of 1 cm using clips
- Cast shackle from high-impact steel
- The frame corners are welded-on with gusset plates for additional reinforcement
- Set of weighting elements for efficient penetration and uniform maintenance of the depth

WORKING SECTIONS:

- S-shaped tine “Bellota” 2488 C3A 65x12
- S-shaped tine “FEATAGRO” 65x12 60C2A with a plate spring mount
- Shovel 230 mm from 65G steel (the nose is reinforced with VK8 hard alloy, the cutting edge is treated with high-frequency currents)

MOUNTED EQUIPMENT:

- Three-row harrow with a tooth 400 mm high and a pitch of 516 (86) mm, the tooth diameter of 12 mm and an adjustable approach angle
- Single-row slatted roller 360 mm in diameter with FKL bearing assemblies (Serbia) and pressure adjustment
- Individual copying and pressure system of the entire mounted part

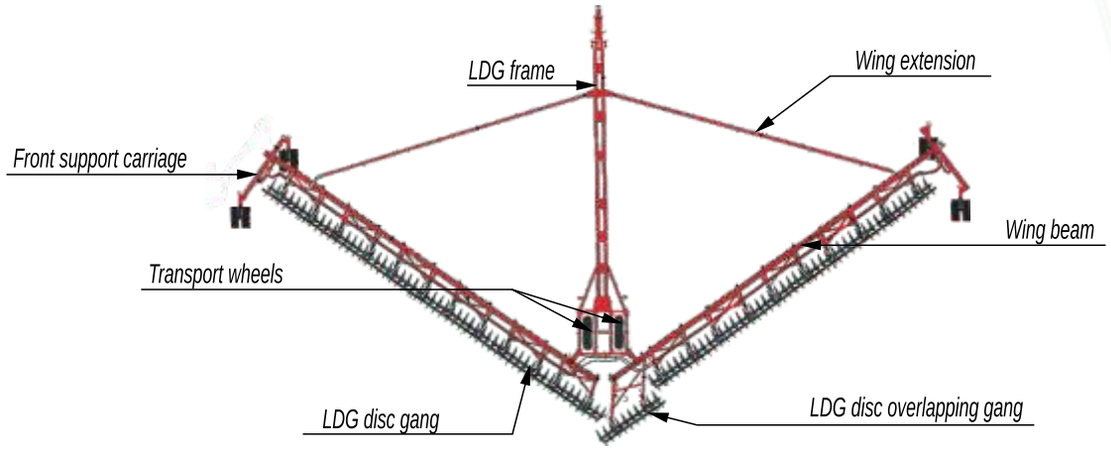
DISC STUBBLE PLOWS

LDG

The disc stubble plows of LDG series are designed for loosening of the untreated ground with different grain-size distribution, grinding of post-harvesting residues of the long-stalked crops, as well as cutting of weeds and other vegetation on the untreated fields after harvesting of the main agricultural crops.

The reinforced frame allows operation at a depth up to 10 cm and at the humidity of 12-25%.

SPECIFICATIONS		LDG-10	LDG-15
Type		trailed	
Operating width, m		10	15
Productivity per 1 hour of basic time (at the speed of 12 km/h), ha, not less than		10	15
Number of disc gangs, pcs.		7	9
Number of discs in a gang, pcs.		9	10
Number of discs in an overlapping gang, pcs.		10	10
Number of discs in a stubble plow, pcs.		73	100
Disc diameter, mm		450	
Distance between blade of discs		170	
Operating depth, cm		4-10	
Approach angle, degrees		15, 20, 30, 35	
Operating speed, km/h		8-12	
Transport speed, km/h, no more than		20	
Dimensions in the operating position, mm	length width height	8000 11200 1000	10500 16200 1000
Dimensions in the transport position, mm	length width height	8000 4000 1400	10500 4000 1400
Weight, kg		2700	4000
Service life, years		7	
Number of operating staff, persons		1	
Tractor power, h.p.		180-200	200-250
Recommended drawbar force, t		3	4



LDG disc 450 mm with a scraper

LDG bobbin 100 mm

Front support carriage

LDG disc gang

STUBBLE PLOW FRAME:

- Thick-walled non-circular pipes of various section with the wall thickness from 6 mm to 16 mm from 09G2S steel
- Hydraulic lowering of disc gangs
- Mechanical adjustment of penetration by clamping the spring
- Cast shackle from high-impact steel
- Reinforced support carriages of the beam in two design versions (metal wheels, agricultural coupled wheels)

WORKING SECTIONS:

- Concave discs 450 mm in diameter (65G steel with the cutting edges treated with high frequency currents) assembled into disc gangs
- Upgraded two-bearing unit for fastening the gangs helping increase the load on the gangs and the service life
- Square gang axis (28x28) from 60S2A spring steel

HARROWS

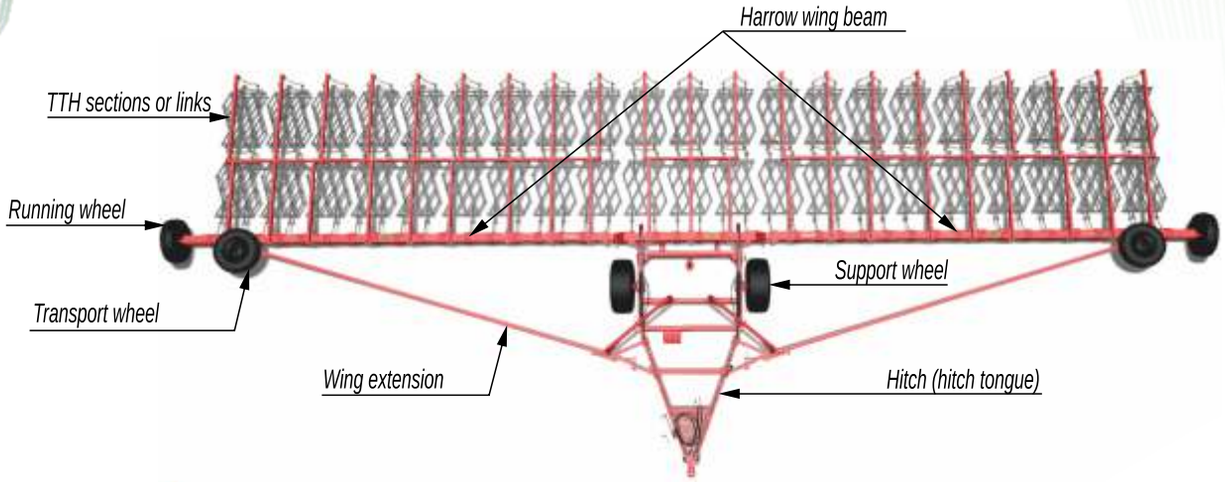
Double-Row Trailed

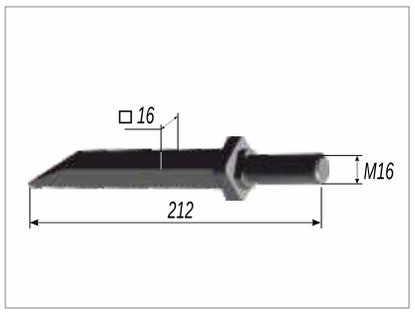
Harrows of Raduga Series

The tooth harrows of Raduga series are trailed hydroficated agricultural machines that perform a lot of agrotechnical operations such as stubble breaking, pre-sowing tillage, mulching, soil loosening and field surface leveling, weed sprout keeling, harrowing shoots of grain and industrial crops. They are coupled with the tractors with the power from 130 h.p.

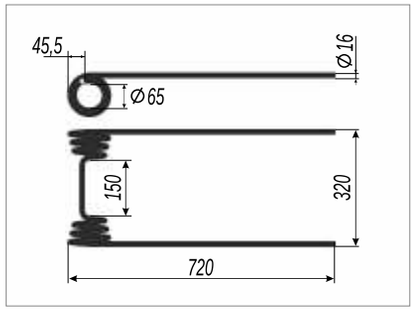
SPECIFICATIONS

Parameter Name		BZPG Raduga-15	BZPG Raduga-17	BZPG Raduga-19	BZPG Raduga-21	BZPG Raduga-23	BZPG Raduga-25	BZPG Raduga-27
Operating width, m		15	17	19	21	23	25	27
Productivity per 1 hour of basic time (at the speed of 12 km/h), ha, not less than		15	17	19	21	23	25	27
Number of harrow sections, pcs.		30	34	38	42	46	50	54
Number of section rows, pcs.		2						
Operating depth, mm		20-80						
Operating speed, km/h		3-12						
Transport speed, km/h, no more than		20						
Dimensions in the operating position, mm	length width height	8800 16000 1350	8800 18000 1350	8800 20000 1350	8800 22000 1350	10500 23030 1350	10500 25030 1350	10500 27030 1350
Dimensions in the transport position, mm	length width height	11800 3800 4400	12800 3800 4400	13800 3800 4400	14800 3800 4400	16800 3800 4400	17800 3800 4400	18800 3800 4400
Weight, kg		5000	5500	5700	6100	7800	8300	8800
Tractor power, h.p.		130-150	150-220	240-300	300-320	310-320	320-330	340-350
Service life, years		7						
Number of operating staff, persons		1						





Square harrow tooth 16 mm



Heavy-duty harrow spring tooth 16 mm

Spring harrow section
with a heavy-duty tooth 16 mm (TTN)

HARROW FRAME:

- Central beam 180x180 mm, wall thickness 8 mm from 09G2S steel (from 15 to 21 meters)
- Central beam 200x200 mm, wall thickness 8 mm from 09G2S steel (from 23 to 27 meters)
- The harrow is hydraulically transferred into the transport and operating position from the tractor cab
- Cast shackle from high-impact steel
- The implements with the operating width to 21 m adopt a rigid mounting of the wings which allows reverse movement
- There is a rope connection for fastening the wings used to operate the Raduga harrows in the operating position with the operating width from 23 to 27 meters

WORKING SECTIONS:

- The harrows of Raduga series are manufactured with two versions of the working sections:

  a) a double-row hitch from the harrow sections “Zigzag” on chained suspensions with a forged tooth 16x212 mm manufactured by FEATAGRO with a function of restoration;

  b) with a long (710 mm) spring tooth of a conical shape 16 mm in diameter on the harrow sections rigidly coupled with the frame using a plate spring

- The harrow sections are made of rolled strip 40x8 mm, which allows us to get 100% horizontal of the section without creasing up or down angles and to eliminate shoveling

HARROWS

Single-Row Trailed

Harrows of Vesna Series

Vesna trailed harrows are intended for stubble breaking and pre-sowing tillage, soil loosening and field surface leveling, mulching, weed sprout keeling, soil lump breaking as well as harrowing shoots of grain and industrial crops.

The typical model range is represented by a very practical, mobile and reasonably priced trailed hydroficated coupling of harrow sections in its segment with three variants of working implements with the operating width of 14 m for the tractors of MTZ-82 and MT3-1221 class. Using the hydraulic system, without human involvement, the harrow unfolds into the operating position, as well as folds into the transport one. In case of clogging of the harrow row with stubble remains, the machine operator can automatically clean them, using the hydraulics, by raising the hitch and leaving the stubble remains.

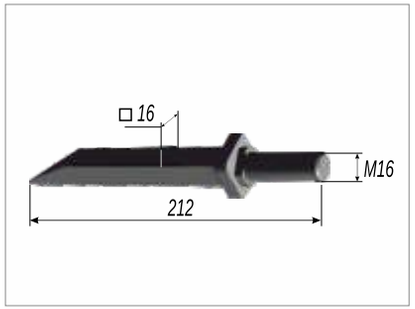
SPECIFICATIONS

Parameter Name		Vesna-14
Operating width, m		14
Productivity per 1 hour of basic time (at the speed of 12 km/h), ha, not less than		11,2
Number of harrow sections, pcs.		14
Number of harrow rows, pcs.		1
Operating depth, mm		20-80
Operating speed, km/h		12-18
Transport speed, km/h, no more than		20
Dimensions in the operating position, mm	length width height	9200 14500 700
Weight, kg		1750
Tractor power, h.p.		80-130
Service life, years		7
Number of operating staff, persons		1

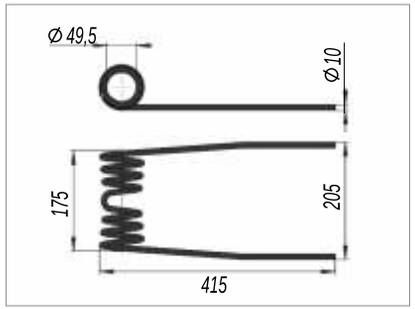
with a forged hardened tooth

with a straight spring tooth

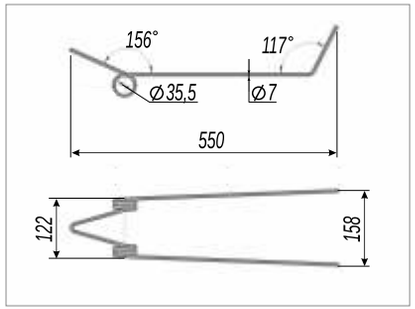
with a L-shaped spring tooth (weeder)



Square harrow tooth 16 mm



Spring harrow tooth 10 mm (straight)



Spring harrow tooth 7 mm (weeder)

HARROW FRAME:

- Central beam 100x100 mm, wall thickness 6 mm from 09G2S steel
- The harrow is hydraulically transferred into the transport and operating position from the tractor cab
- The harrows of Vesna series do not exceed the tractor dimensions in the transport position which allows them to move on public roads

WORKING SECTIONS:

- The harrow section is mounted to the frame using a special metal guiding piece which enables adjustment of the soil tilling depth
- There are sections with various teeth installed on the harrows of Vesna series without changing the frame structure:

  a) with a forged hardened tooth 16x212 mm manufactured by FEATAGRO with a function of restoration

  b) with a straight spring tooth 10 mm in diameter manufactured from high-impact steel with a polymer coating

  c) with a L-shaped spring tooth (weeder) 7 mm in diameter manufactured from high-impact steel with a polymer coating

- The harrow sections are made of rolled strip 40x8 mm, which allows us to get 100% horizontal of the section without creasing up or down angles and to eliminate shoveling

HARROWS

Single-Row Mounted

Harrows of BNZ Series

The BNZ-9 mounted harrows are intended for stubble breaking and pre-sowing tillage, soil loosening and field surface leveling, mulching, weed sprout keeling, soil lump breaking as well as harrowing shoots of grain and industrial crops.

The typical model range is represented by a very practical, mobile and reasonably priced hinged coupling of harrow sections in its segment with three variants of working implements with the operating width of 8.5 m or 8 m for the tractors of MTZ-82 class.

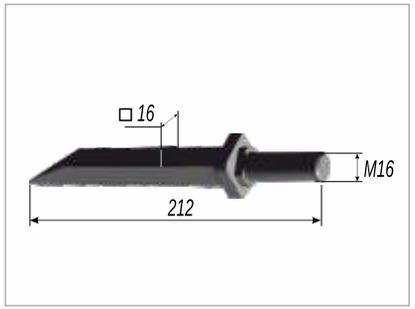
SPECIFICATIONS

Parameter Name		BNZ-9
Operating width with a forged tooth/spring tooth, m		8,5 / 8
Productivity per 1 hour of basic time (at the speed of 12 km/h), ha, not less than		15
Number of harrow sections, pcs.		9
Number of harrow rows, pcs.		1
Operating depth, mm		20-80
Operating speed, km/h		12-18
Transport speed, km/h, no more than		20
Dimensions in the operating position, mm	length width height	1900 9100 820
Weight, kg		80-130
Tractor power, h.p.		850
Service life, years		7
Number of operating staff, persons		1

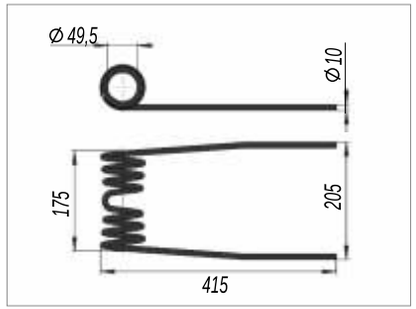
with a forged hardened tooth

with a straight spring tooth

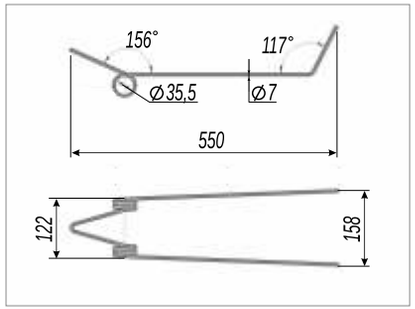
with a L-shaped spring tooth (weeder)



Square harrow tooth 16 mm



Spring harrow tooth 10 mm (straight)



Spring harrow tooth 7 mm (weeder)

HARROW FRAME:

- Central beam 100x100 mm, wall thickness 4 mm from 09G2S steel
- The harrow of BNZ series is installed on the tractor hitch in the operating position
- The harrows of BNZ series are dismantled into two pieces for easy transportation

WORKING SECTIONS:

- The harrow section is mounted to the frame using a special metal guiding piece which enables adjustment of the soil tilling depth
- There are sections with various teeth installed on the harrows of Vesna series without changing the frame structure:

  a) with a forged hardened tooth 16x212 mm manufactured by FEATAGRO with a function of restoration

  b) with a straight spring tooth 10 mm in diameter manufactured from high-impact steel with a polymer coating

  c) with a L-shaped spring tooth (weeder) 7 mm in diameter manufactured from high-impact steel with a polymer coating

- The harrow sections are made of rolled strip 40x8 mm, which allows us to get 100% horizontal of the section without creasing up or down angles and to eliminate shoveling

DISC TILLAGE MACHINE

DPM «UNIVERSAL»
DPM «UNIVERSAL-T»

The disc tillage machine “DPM Universal” is designed for intensive soil surface tillage, weed keeling, soil loosening, fallows treatment works, destruction of root systems and seed placement into the soil.

DPM is intended for use in various soil and climatic zones, except for the alpine husbandry areas, for treating soils of different mechanical composition with the moisture up to 28% and hardness up to 3.5 MPa, that are not clogged with stones, limestone and other obstacles.

The specifications of the disc tillage machine “DPM Universal” are shown in Table No. 1.

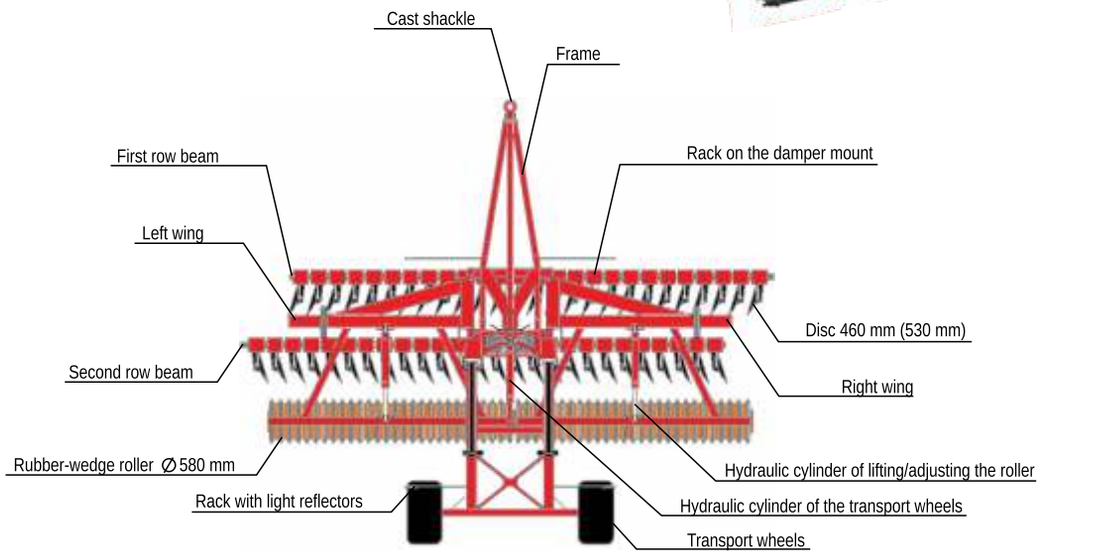
SPECIFICATIONS

Parameter Name	DPM-7500	DPM-6000
Machine type	trailed	
Weight (with a rubber-wedge roller), kg	6500(7500)±500	5500(6500)±500
Productivity per 1 hour of basic time (at the speed of 15 km/h), ha	11,25	9
Operating speed, km/h	12-18	
Operating width, m	7,5	6
Number of working sections (discs), pcs.	60	48
Number of disc rows, pcs.	2	
Distance between discs, mm	250	
Disc diameter, mm	460 (530)	
Operating depth, cm	3-12 (3-14)	
Width in the transport position, mm	2950±50	
Height in the transport position at the ground clearance of 225 mm (for DPM-7500), mm	4000	3400±300
Агрегатируется с тракторами мощностью ДВС, не менее	160/240	130/180
Disc displacement adjustment	mechanical	
Operating depth adjustment	hydraulic	

Rubber-wedge roller Ø580 mm (series-produced)

Tandem roller Ø 520/380 mm (option)

Tube roller Ø520 mm (option)



Maintenance-free hub with the FKL bearing (Serbia)

Rack on the damper mount

Disc gangs

DPM «UNIVERSAL» FRAME :

- The frame structure is produced from thick-walled non-circular pipes from 09G2S alloy steel 6 to 8 mm
- The hydraulic transfer of the harrow to the operating and transport position from the tractor cab ensures easy operation of the unit
- The hydraulic adjustment of the tilling depth ensures the accuracy of maintaining the predetermined parameters and ease of adjustment
- The harrows DPM “Universal” in the transport position do not exceed the tractor dimensions, which allows you to move on public roads

WORKING SECTIONS:

- The tine with the size of 130x400 mm and 10 mm thick (09G2S steel) on the damper mount 40x220 mm, with the soil pressure up to 250 kg
- The discs 460 mm (530 mm) in diameter and 5 mm thick are made of 65G steel (the cutting edge is treated with high-frequency current) and allow tillage to the depth of up to 12 cm (up to 14 cm)
- The disc gangs are arranged in two rows with different angles of approach: the front row of the discs is 17 degrees, and the back row is 15 degrees, thanks to which it is possible to achieve high-quality mixing of plant residues and soil
- The maintenance-free hub with the FKL bearing (Serbia) and sealing rings filled with oil reduces the time spent on the unit maintenance and increases the reliability under harsh operating conditions

MOUNTED EQUIPMENT:

- Rubber-wedge roller Ø580 mm in diameter (series-produced) It is used for leveling the soil surface. At the same time, the reverse rolling occurs in strips only. The roller is used on any soil types, except for stony ones. It is especially efficient when working on wet soils thanks to individual scrapers
  The rubber rings of the roller create compacted strips and the space between them remains loosen, which ensures a high-quality water and air exchange
- Tandem roller Ø 520/380 mm in diameter (option)
  It is mainly used for pre-sowing tillage since it has a perfect crumbling effect which is achieved thanks to various circumferential speeds of the small and big rollers. The tandem roller is suited for operation on light- and medium-textured soils
- Tube roller Ø520 mm in diameter (option)
  The reverse packing occurs across the movement of direction with a good crumbling quality and an open structure of the soil surface
  This roller is especially suited for operation on light-textured soils
  The tube roller is distinguished by the high load-bearing capacity

ROLLERS OF METEOR SERIES

Currently, the roller model range of FeatAgro brand name is represented by KIV-6 and KIV-9 METEOR rollers with three types of operating implements:

- water-filled grinding roller;
- crosskill roller (KKSH);
- cambridge roller (KKZ).

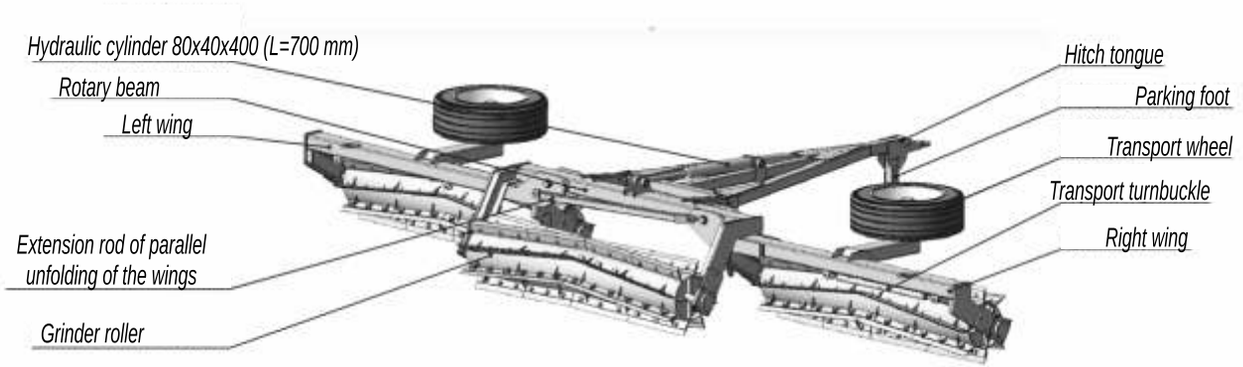
They perfectly cope with such tasks as filling up, deforming and grinding the postharvest stubble remains of rough agricultural crops: sunflower, corn and others, as well as rolling down of stubble remains or sowing the seeds of various agricultural crops. When using the water-filled grinding rollers, a mixture is created, which decays during autumn and winter and serves as a fertilizer, while exercising a positive effect on the yield.

When using the covering rollers, after sowing the seeds of agricultural crops, there is the improved capillary nutrition of the buried seeds and leveling of the covering layer – all of this positively affects the seedling vigor and ensures a higher crop yield.

The roller may be used in all soil and climate zones, except for the hill agriculture zone.

SPECIFICATIONS

Parameter Name		KIV-6 / KKSH / KKZ	KIV-9 / KKSH / KKZ
Operating width, m		6	9
Productivity, ha/h		до 7,2	до 10,8
Number of rollers, pcs.		3	5
Number of knives, pcs.		96	144
Distance between the cutting edges of the knives, mm		200	
Operating speed, km/h, not more than		12	
Transport speed, km/h, not more than		15	
Dimensions in the operating position, mm	length width height	3520 6370 1000	3520 9370 1000
Dimensions in the transport position, mm	length width height	4900 2350 1720	6400 2350 1720
Weight, kg		2400/1950/2600	2800/2950/3800
Weight with the water-filled rollers, kg		2800	3400
Number of operating staff, persons		1	
Recommended drawbar category of tractors, pulling forces		1,4 - 2	



water-filled grinding roller

Crosskill roller (KKSH)

Cambridge roller (KKZ)

CULTIVATOR FRAME:

- Thick-walled non-circular pipes of various section with the wall thickness from 6 mm to 16 mm from 09G2S steel
- The rollers are mounted to the frame on SKF self-adjusting bearing assemblies with a special agricultural protection (the bearing assembly is protected by a cover preventing from winding up plant residues)

WORKING SECTIONS:

- The roller is manufactured from a pipe with the overall diameter of 525 mm (with knives)
- The knives are manufactured from 65G steel 8 mm thick
- The angle of the roller bending by a knife is 6 degrees, and the angle of inclination is 60 degrees. They allow grinding the stubble remains of the rough grasses
- The unique system of fastening the knives with jam nuts prevents cutting of the plow bolt and the knife breakdown

ADDITIONAL OPTIONS:

- Crosskill roller 460 mm in diameter
- Cambridge roller 480 mm in diameter

RAKES

Trailed Swathing Tedder

Albatross

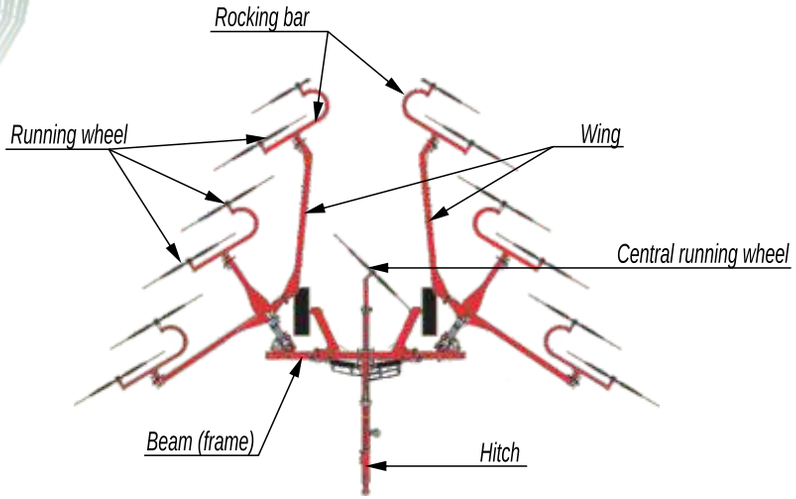
The swathing tedder rakes are hydroficated trailed implements which, depending on the application conditions and completing units, can perform one of the three operations: tedding dried grass in swaths, raking the grass from the swaths into windrows, doubling and turning the windrows. The rakes are manufactured in a mounted and trailed execution with the operating width of 6 m or 8 m.

The rakes are used in all agro-climatic zones, on all soil types, except for stony ones. The application of the rakes for harvesting sown grasses and natural hayfields with a yield of more than 10 dt/ha on the plains at the mass moisture of 25-80% is effective.

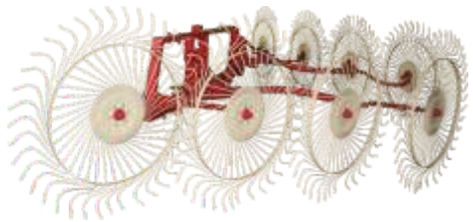
The rakes are aggregated with tractors with a drawbar category of 0.6-1.4 pulling forces and the pressure in the hydraulic system up to 16 MPa.

SPECIFICATIONS

Parameter Name		GVV-6,0M «Albatross»	GVV-6,0M «Albatross»	GVV-6,0	GVV-6,0 «A»	GVV-6,0H	GVV-6,0H «A»
Operating width, m		6	8	6		6	
Productivity, ha/h		7,2	9,6	7,2		8,4	
Number of hydraulic cylinders, pcs.		2		2		-	
Number of running wheels, pcs.		9	13	8 или 9		8	
Diameter of running wheels, mm		1450		1450		1450	
Diameter of the spring pin, mm		7		6	7	6	7
Operating speed, km/h, not more than		20		15		20	
Transport speed, km/h, not more than		20		20		20	
Raking dimensions, mm	length width height	6200 5700 1500	8200 6500 1500	5100 6200 1450		3100 6000 1500	
Tedding dimensions, mm	length width height	7500 4900 1500	9700 6200 1500	3100 7200 1500		3100 7200 1500	
Dimensions in the transport position, mm	length width height	2800 4850 2900	2800 6250 2900	5200 3300 3500		3200 2800 3300	
Weight, kg		650	750	500		440	
Service life, years		7					
Number of operating staff, persons		1					
Recommended drawbar category of tractors, pulling forces		0,6 - 1,4					



GVV-6,0H / GVV-6,0H «A»

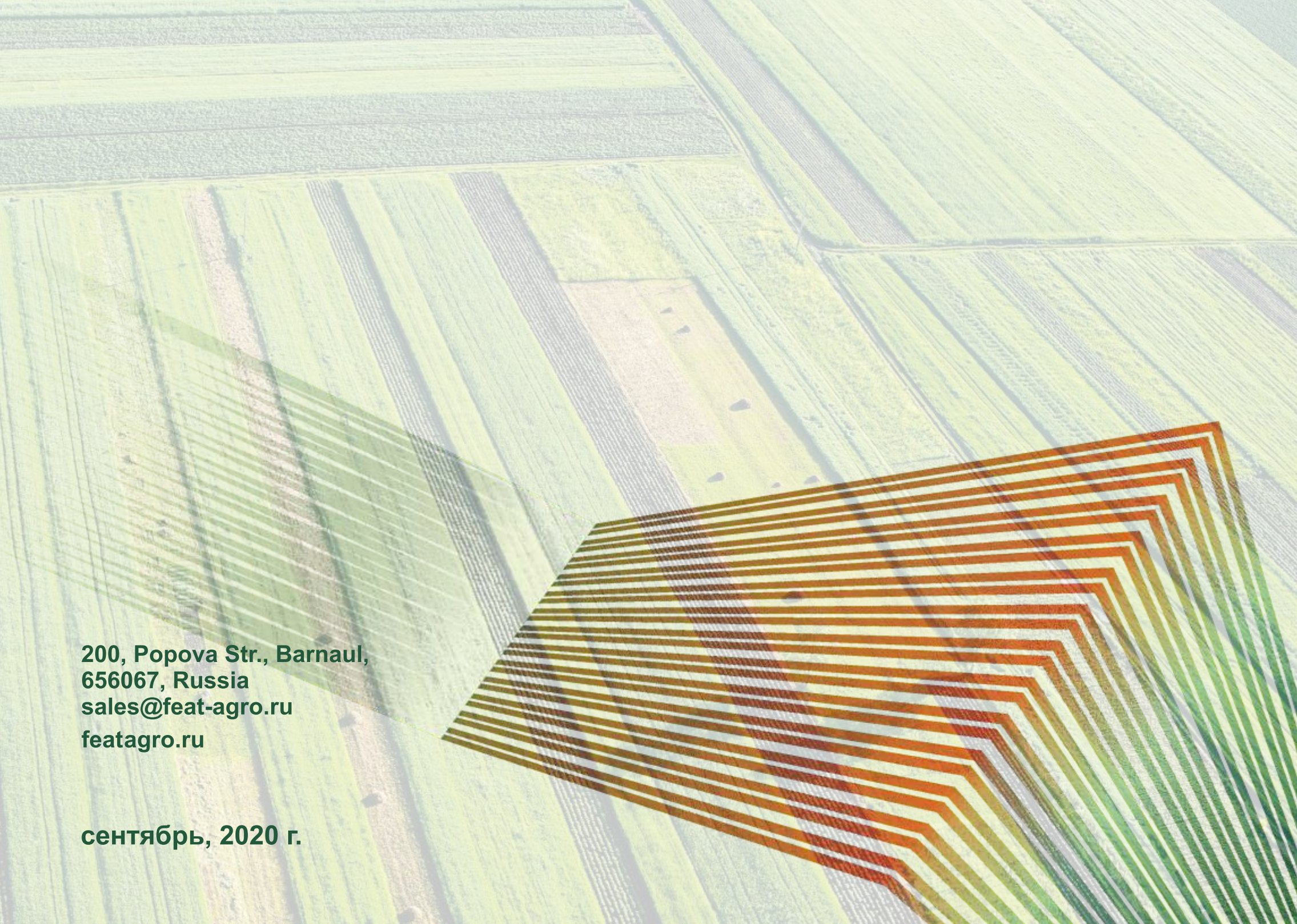


Specific Features and Advantages of GVV Albatross Rakes:

- Operating width from 6 to 8 meters
- The teeth of the running wheels are manufactured from high-quality steel 7 m in diameter with a special curved shape and enable the operation in two planes at once
- The reinforced disc of the running wheel with additional strengthening ribs provides wear resistance and uniform tillage
- There are copying beams with wheels installed on the rake frame which enable high-quality treatment independent of the soil relief
- The availability of the spring mechanism helps adjust the torque of the running wheels on the soil
- The rake frame is made of a thick-walled square shaped pipe which provides the required stiffness and high reliability of the entire structure
- An additional middle running wheel helps rake up the mowed bulk by turning the windrow along the rake center
- The support auto wheels with the hub enable easy maintenance of the assembly unit
- Reinforced hitch tongue. The structure is more rigid thanks to the use of a non-circular pipe 80*80 mm

NOTE


FEAT
AGRO
BRAND PROVEN IN
THE FIELDS OF RUSSIA



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