en dealer cent onvenient and reliable high-tech

In December, a new dealer centre of the AgroCentre Company was opened in the Tyumen region (Vinzili urban village). Thus, the entire product line of farming equipment supplied by the company has been brought closer to Siberian farmers.



On this day, the farmers of the Kverneland, and JCB. region and partners of AgroCentre came together at the dealer a transition to a new level of centre. There were representatives relationship with the Siberian of AGCO Machinery, Vaderstad, farmers,

"The dealer centre is says Nikolav Ivanishchev, director general

of the AgroCentre LLC. "We can offer a richer product range of farming equipment and provide servicing and repair of all types of sophisticated equipment. Also, we are prepared to supply advice and on-site training."

The guests could appreciate the new capabilities of AgroCentre during their tour of the dealer centre. They liked the spacious trade and demonstration hall with the samples of farming equipment. Also on display were

expendable materials, spare parts and souvenirs. The guests also attended the repair area where agricultural equipment is diagnosed, repaired, and monitored. They were shown the spare parts depot with and addressed storage system. The depot also provides convenient places for working with customers and a staff room. It is planned to hold here master classes, seminars and displays.

The corporate journal of the AgroCentre Company

Continued on page 2

THIS IS INTERESTING

The JCB Company opened a museum of the company in Rochester, England. The chief exhibit is a huge mock-up of the JS200 caterpillar excavator built using an 8 mm steel framework based on the design of the famous artist Benedict Radcliffe. The mock-up took five months to manufacture plus around one kilometre of steel rod. The exhibit weighs some two tonnes, a mere tenth of the real machine.



At the Agritechnica 2011 exhibition, the Kverneland Group received a silver medal for its innovative development called GEOspread. This is a system of segmental activation of the grip width based on GPS signals with an option of on-line changing of the delivery point to disc. Equipped with the GEOspread system, the fertiliser distributor helps to automatically distribute fertilisers on the edge of the field, on headlands and on gores.





Agrice Imica - straight to the future!

AgroCentre made this step along with its customers by participating for the first time in the international exhibition. The agenda was quite intense. The guests familiarized themselves with the latest products just turned out from the assembly shop and attended 25 exhibition sites of the leading manufacturers of agricultural equipment.

The stand of the Swedish company Vaderstad was the starting point of the familiarization tour. The spotlight was on the Seed Hawk seeder employing a No-till technique. At the presentation, Partner LLC from the Altai Territory, an old-standing customer of AgroCentre, shared its expertise.

"Operating in the drought of the past year, this seeder passed the tests with flying colours," says Nikolay Rudev, chief agronomist of the farm. "We were testing it side by side with another famous seeder. The Seed Hawk won. Its sprouts were unusually strong even under the droughty conditions, and the grain yield was also good. As for this year's

- VÄDERSTAD

crop yield, it's just excellent, 4.2 tonnes per hectare."



The Agritechnica international dedicated exhibition is a meeting place for all representatives of the global farming business. That's where the main trends in the development of agriculture are mapped out for years to come. For the guests, this is a step into the future, a chance to learn the current trends in farming and pick up info about the latest developments in agricultural engineering.

AgroCentre customers attended the stand of AGCO Machinery with their sights

set on self-propelled equipment for next season. The powerful tracked caterpillar of the MT700C and MT800C series caught the fancy of many. Another self-propelled machine, the RoGator 1396 sprayer, is good for large farms. Its chief advantage is the ability to handle dry and fluid compounds.

The sprayer wheels can be adjusted for the relevant crop

from the cabin in seconds.

The visit to the Kverneland Group stand began with welcome

news. Starting next year, the fodder procuring, sprinkling and seeding machines, which are most popular with the Russian farmers, will start being manufactured in Russia.

T h e guests were introduced to the equipment of the year 2012. This included the Andex 774 high-performance rake and pneumatic DG seeder with a productivity of 140 hectares per day. The seeder owes its high efficiency to the new operating width of 12 m.

Ending their tour of Agritechnica, the members of the delegation thanked AgroCentre for the informative and interesting trip.

The visit to AgroCentre was like a window into the future, says Yelena Shama, Baigora LLC executive director. "It's hard to follow all the brands, innovations and new technologies. But at Agritechnica, they do their best to bring everything together in one place. Having attended the exhibition sites of AgroCentre's partners, we've seen the scale of its work. These are the largest manufacturers of agricultural equipment, many of which are decorated with exhibition medals for the best machines. All this inspires us to new efforts and cooperation with AgroCentre."

By Yulia SALKOVA



Tyumen dealer centre: convenient and reliable high-tech



At "the chief gate" on the display site were various agricultural machines welcoming the Siberian farmers. These included medium and high power tractors, the Sunflower disk harrow, the SP 115 self-propelled mower from Challenger, the Rapid 600 C pneumatic seeder from Vaderstad, the Pneumatic Star harrow from Einbock, the PM-100 plough from Kverneland, a range of JCB telescopic loaders and the JCB 550-80 telescopic device, a novelty in Russia.

Despite the short period the AgroCentre has been open in Tyumen, a little over half a year, the equipment supplied by the company is already quite famous. Aleksey Yurtayev, the chief of the dealer centre, noted the high demand of the region's farmers for the JCB 531-70 and 535-95 loaders. It is noteworthy that the Challenger SP 115 self-propelled mower showed excellent results in harvesting rape on crop production farms.

The dealer centre in Tyumen is not the only new establishment during this winter. In December, a dealer centre will start operating in Belgorod. Next year it will be joined by centres in Chelyabinsk and Yaroslavl.

By Yulia SALKOVA

EVENTS

High-tech equipment,



The AgroCentre Company arranged for its customers a traditional trip to the JCB loader manufacturing plant in England. Russian farmers saw for themselves the assembly of "the yellow machines." In addition, during the trip the farmers familiarized themselves with foreign farming expertise.

a prerequisite for modern production

English colleagues introduced the guests to the complete product range of loaders, from telescopic and front-end loaders to mini loaders. Moreover, they showed new

products scheduled to be supplied to Russia next year. Among them was the JCB 550-80 loader, the most efficient of its kind. Its crane arm is 8 metres; the maximum lifting capacity is

5.5 tonnes.

The participants of the trip were amazed by the scale and efficiency of production. The plant uses state-of-the-art equipment for laser-aided metal

cutting, robotic machines and fully automatic assembly lines.

The farmers saw JCB loaders at work on the farm of the plant director Anthony Benford. His farm specialises in crop production and dairy and meat cattle breeding. Twelve men work on it. Their chief assistants are loaders.

"It's good that before offering new models of equipment to farmers the JCB specialists test them on their own farms," says Stanislav Yefimov, the economist of StasAgro LLC (Golyshmanovsky district, Tyumen region). "This enables us to detect and eliminate the weak points of the machines."

Oleg Barylo, a manager of the Sibirskiye Fermy LLC (Golyshmanovsky district, Tyumen region), couldn't take his eyes off the JCB equipment. On return home, he decided to acquire the JCB535-70 loader.

"For us this is an optimum machine. Its 7 metre crane arm and 3.5 tonne lifting capacity are just what we need," says Barylo. "This seems to be the best choice for our new animal farm which we plan to open next year."

By Anna BORDUNOVA

AgroCentre launches a new farming season in Belgorod region

Autumn traditionally ends the farming season. But for specialists of the AgroCentreLiski Company, the autumn is the time to start work, since this is when it is most convenient to "arm" the farmers for the next incompa



AgroCentreLiski opened the new farming season at the Belgorodagro 2011 exhibition, where it demonstrated its "magic wand" for stockbreeders, the JCB 535 telescopic loader. The machine can serve a fattening farm of 2,000 cows.

"We present a telescopic machine suited to the specific amount of meat production in Belgorod," says Artyom Prudskikh, manager of AgroCentreLiski LLC. "This is a more powerful 'brother' of the

popular JCB 531-70 loader. The JCB 535-95 loader crane arm is 2.5 m longer, while the lifting capacity, 3.5 tonnes, is half a tonne higher. With an assortment of various buckets, forks and grips, this is an optimum choice for the evolving production."

True to the popular wisdom that a sledge must be prepared in summer, the Belgorod farmers familiarized themselves at the Field Day of AgroCentreLiski with the Challenger MT 665C tractor.

Due to a special design of the chassis, this machine (265 hp) copes with high loads, which makes it the optimum choice for the main cycle of field work.

Aleksey Gushchin, AGCO Machinery regional manager, presented the Challenger SP 115 mower. This features a 9 metre reaper fitted with just a 100 hp its acme as the raffle began for three discount certificates to buy Challenger equipment. Fortune twice favoured the Agro-Oskol Closed JSC. It won two certificates. As Vyacheslav Kalenbet, the chief engineer of farming enterprise, noted, it was a timely win considering that enlargement and updating of



engine. The high speed of up to 14 km/h assures superior quality fodder.

The Field Day reached

the company's inventory for the next farming season must start this autumn.

By Yulia SALKOVA



NOVELTY OF THE SEASON

Vaderstad's shot on target

Today's agricultural market boasts a variety of seeders for row crops. Despite the different design solutions, they share the same type of broadcast seeding technique. The seeds are broadcast from a mechanical or vacuum batcher by gravity and drop into soil. Moving at a high speed, the seeds crash against the seed chute walls which affects the seeding precision.

Tempo F 8

company's board of directors.

'We've been developing this seeder for over 15 years during which time we've carried out a lot of research to find out how the seed lies down on the seeding bed and what should be done to avoid the adverse impact of speed on embedding precision. The final product is the Tempo system now before you," says Crister Stark. "The seeder is presently undergoing the last tests. The results speak for themselves. For instance, in Ukraine they have sown 130 hectares in one day using the eight-row Tempo system. This is comparable to the traditional twelve-row machine. One seeder has already been sold to Russia.

Crister Stark pointed out that Vaderstad now manufactures two models, Tempo F6 (six-row type) and F8 (eight-row type) for seeding maize and sunflower. However, it also plans to start manufacturing a twelve-row type, specifically for the vast fields of Russia.

By Yulia SALKOVA

The Tempo seeder from Sweden's Vaderstad uses a completely new technique of seed embedding, known as Power Shoot. Under high pressure, a seed is shot at a speed of 40 metres per second from a seed chute, like from a pneumatic gun. This minimises the vibration impact and assures an exclusive seeding precision in spite of the high speed and soil surface irregularities. The seeding speed of Tempo, 12 to 15 and even 20 km/h, doesn't compare with the traditional 8

km/h. The soft compacting wheel instantly compacts the seeds, thus eliminating "the hopping effect."

The Tempo was first displayed at the Agritechnica 2011 exhibition in November of this year. Customers of AgroCentre were among the first to see this novelty of the world's agricultural engineering when they visited the stand of Vaderstad. The presentation was conducted by Crister Stark, chief developing engineer and chairman of the

The new telescopic jib loader boasts the highest lifting capacity in the Loadall product range. This model was specifically developed for loading and unloading in farming and the food processing industry. The telescopic jib reach is 8 m at the maximum lifting capacity of 5.5 tonnes. The 100 (or 140) hp loader is fitted with a four-step gearbox and the Hiflow pipeline system. The hydraulic system's Variflo variable displacement pump delivers operating fluid at the rate of 140 l/min.

The Loadall 550-80 can use both a fork and a bucket. The Z-shaped bucket tilt lever mechanism makes it possible to fit the jib with an up to 3.5 m³ bucket. The SRS (smooth ride system) securely holds the load and enhances operator comfort at work.



Russian premiere

"The Loadall 550-80 machine is a highly efficient

"The Loadall 550-80 machine is a highly efficient telescopic loader," says Nikolay Bashkirov, AgroCentreZakharovo LLC sales manager. "This strong machine from JCB is designed for long-lasting operation with high climbs uphill."

This year, the AgroCentre Company will already offer the new loader to Russian farmers.

By Anna BORDUNOVA

CULT tilling Pre-seeding tillage and the seeding proper are inseparable. Well treated soil fully determines the seeding quality and the expected harvest. The **AgroCentre Company** recommends the Sunflower 5000 preseeding cultivator to farmers who seek outstanding results and

The Sunflower 5135-40 three-section cultivator is ideal for preseeding tillage on large areas. High efficiency plus minimum fuel consumption are the chief merits of the machine. It finely loosens the soil, thoroughly mixing the stubble remainder and leaving the surface well smoothed. The cultivator processes the soil at a depth of up to 12 cm.

"The Sunflower cultivator is a highly efficient machine, says Nikolay Bashkirov, AgroCentreZakharovo LLC sales manager. "This is a reliable tool for creating ideal conditions for seeding and fallow land treatment.'

The Sunflower cultivator hoes withstand up to 86 kg. The maximum load assures steady tilling depth and a well smoothed surface. The between-hoes space is 15 cm, which ensures an excellent passage of the stubble remainder and superior soil treatment. The S-shaped hoes, composed of two parts, withstand a 72 kg load in additional tillage. The spring-operated hoes perform both primary and auxiliary tillage, withstanding a load of up to 86 kg. They secure the cultivator's close application to the soil.



• compression strength - 72 kg

• cross section 1.6 x 4.4 cm

The Sunflower cultivator with folding side sections has a patented mechanical coupling, which substantially diminishes the machine's size in transport position, amounting to some four metres. During tillage, the coupling device is rigidly fixed, which secures the operating width of the threesection machine between

10.97 and 12.8 metres. The self-adjusting coupling device is easy to regulate and allows you to change the cultivator's lengthwise position.

high profits.

The twin wheels of the cultivator are inside the hinged connections of the side section, which ensures optimum operating depth. This reduces section wear and prevents "hopping" of the cultivator frame.

Ground contour following wheels reduce the load on the cultivator edges and assure steady tillage depth.

Spring-operated hoes



- compression strength 86 kg
- cross section 1.6 x 4.4 cm
- ensures steady tillage depth
- even hoe wear
- · better weed cutting

The three-section models feature a hinged connection on the central frame and the inner section, thereby reducing the width and height of the cultivator as it moves across the field.

By Anna BORDUNOVA

Model	Weed coverage, m	Between- hoe space, cm	Number of hoes	Width in transport position, m	Required power, hp	Weight, kg
5135-36	11.12	15.24	73	4.80	255-300	4,899
5135-38	11.73	15.24	77	4.80	270-320	5,058
5135-40	12.34	15.24	81	5.41	285-335	5,216
5135-42	12.95	15.24	85	5.41	300-350	5,420

presents on the Russian market



AGROCENTRE RECOMMENDS

When choosing modern sowing equipment, farmers are primarily seeking to increase profitability and minimise costs. High precision sowing machines for tilled crops make it possible to economically dispense seeds and fertilisers, and save fuel, lubricants and efforts while raising output and product quality. The AgroCentre Company

Challenger 8000 row crop seeders used for high precision sowing.

Challenger 8000 sowing machines are state-of-the-art equipment for seeding. High precision seeding and regular embedding depth are the specific features that make the Challenger's work different. The machine simultaneously prepares the soil, loosens it, introduces fertilisers and seeds and subsequently compacts the soil. The sowing machine's all-purpose sections are mounted on

damage thanks to their regular and careful separation ensured by low air pressure and absence of compactions. The batcher sends a weak air flow to the discs and holds seeds in individual cells. If more than one seed end up in the cell, a dedicated "cut-off unit" removes the excess. The air flow separating brush stops the air pressure and holds a seed in the cell until the latter comes

The SeedSmart standard highly responsive seed monitoring sensors assure high inspection precision for various crops. Fitted

combined dispensing crusher. The tools thoroughly prepare the seed bed and loosen the soil.

"The Challenger all-purpose row crop seeder is a fine choice for farmers striving to make the best use of each minute of seeding time," says Aleksandr Usov, the AgroCentreKursk LLC chief sales manager. "Performing several operations in a single pass, the machines substantially save time and resources."

Faster than the wind

To save time when moving across fields, the AgroCentre Company recommends to farmers the Challenger 8122TVF trailed seeder with vertically folding side sections. Hydraulically operated, these sections are instantly converted to the transport position, thus turning the seeder into a fast and manoeuvrable vehicle. On unsmooth fields, the side sections may remain unfastened by fingers. This enables them to rise in accordance with the field

Model	Number of rows	Frame	Row spacing width	Transportation width
CH 8128	8	Narrow vertically folding sections with hydraulic drive	70-76 cm	4.98 m
CH 8122	12	Narrow vertically folding sections with hydraulic drive	70-76 cm	6.50 m

Batcher

- 1. Weak air flow
- 2. Reliable cut-off units
- 3. Air flow separating brushes
- 4. Seed shutter
- 5. Seeding disc fastener handle
- 6. Pick-up chamber
- 7. Seeding device and seed box fastener handle
- 8. Batcher disc
- 9. Seed fall point

a ruggedised parallelogram-shaped mechanism that facilitates soil hugging. This ensures a regular seed embedding depth of 13 to 103 mm. The sowing machines are suited both for standard seeding and for seeding with minimum and zero tillage.

The unique PAM™ system developed by Challenger specialists is the key to regular seed introduction and embedding. PAM™ allows you to avoid seed

down to the lower part of the seeding disc. The unique design of the "edge-drop" disc of seeding device assures excellent seeding precision. The disc provides for careful release of the seeds from the cell till, at certain intervals of time, they freely fall into the seed duct. Upon release, the seed moves slightly backward along the curled seed duct and comes on an open row. Thus it ends up at the required depth.

on each individual seeder unit, the seed embedding indicators assure steady seeding depth.

Different versions of the coulter allow introduction of both dry and liquid fertilisers. The single disc coulter with side blade proved particularly efficient in introducing fertilisers to a depth of up to 10 cm on the fields after minimum or zero tillage. The double disc coulter is ideal for introducing fertilisers on fields with traditional and minimum

surface outline. Thanks to this, optimal seeding is obtained.

Sharp turns

For work on steep slopes and hills, the AgroCentre recommends the Challenger 8186 HFF two-section 16-row seeder with forward folding sections. This seeder is fitted with an independent transmission that controls the drive speed. Thanks to this, equal spacing is achieved between the seeds in the row. A

Model	Number of rows	Frame	Row spacing width	Transportation width
CH 8186	16	Forward folding sections	70-76 cm	4.98 m

soil treatment. A couple of springcontrolled disc coulters introduce fertilisers to a depth of 5 to 8 cm.

The unit can be fitted with a disc stubble crusher and a

special design ensures an incline of up to 15 degrees relative to the middle of the frame. This assures seed embedding at the set depth.

By Anna BORDUNOVA





"The existing elevators didn't cope with the growing amount of grain production," says Sergey Lomantsov, executive director of the AgroCentreLiski LLC. "The executives of those enterprises sought a replacement with the best price-quality ratio. Also, the duration of erection was taken into account. We offered an appropriate solution, the Twister elevator.

The pioneers of the new grain storage technology are Agrokultura LLC, EkoNivaAgro LLC, and the Kalacheyevsky Meat Processing Plant JSC. We inquired about how "the bins" performed in the past two years. In early 2009, a contract was signed to install eight 1.5 tonne Twister silos and a US Delux grain dryer with a capacity of 35 tonnes per hour. This year, in the middle

The erection of grain silos, the so called "bins," proceeds without the traditional foundation embedding, thereby cutting construction time and cost several fold. One such 1,000 tonne grain silo takes 10 days to erect.

of summer, it was erected and put into operation.

'The boosting of our farm's livestock entailed getting an elevator of our own, which reduced our grain storage costs by a factor of ten," says Nikolai

Astanin, meat processing plant grain cleaners and that proved director. "We've also supplied our animals with high quality fodder.

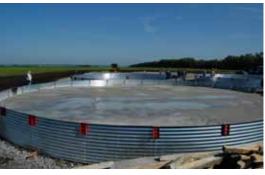
The grain silos are fitted with a ventilation and temperature control system. This makes it possible to store the grain with humidity of 1 to 1.5% above critical. We run the elevator at full capacity. No serious malfunctions

were registered. The design is simple and reliable and AgroCentre servicing is available at all times for monitoring the condition of the equipment.

This year, the EkoNivaAgro LLC elevator reached its capacity of 32,000 tonnes. In 2009, due to the expansion of production volume, the elevator "added" another 20,000 tonnes. The installation of grain silos and transport facilities took 4 months. In 2010, a seed production plant with a capacity of 10-12 tonnes per hour was opened on the elevator site.

At the output, we get premium quality seeds," says Roman Litvinov, EkoNivaAgro LLC director for production. "We gave preference to the Canadian LMC

right. Just like with the Twister silos, which are easy to install,



fast to load and, what matters most, are capable to maintain grain germination ability during even long-term storage.

This autumn, AgroCentre finished erecting four grain facilities for the AGRO-Invest group of companies with a storage capacity of 35,500 tonnes.

At the moment, those facilities are running in the test mode," says Nikolay Umanchuk, director general of AGRO-Invest Tekhstroy LLC. "We have no complaints. Should anything happen, we contact immediately the servicing specialists of AgroCentre. It's still too soon to draw any conclusions. Next year, we'll launch the facilities at full capacity. Then we'll see what those bins are really good for."

By Yulia SALKOVA



FEEDBACK

The pearl of Vaderstad



Farmers assert that Vaderstad can rightly pride itself on its Rapid seeding system. This combines many merits that save time and seeding expenses, as well as increase crop production.

The seeder is suited both for traditional seeding and for seeding with minimum soil treatment or direct introduction of seeds into the soil. In a single pass, the machine prepares the soil, loosens its surface, introduces fertilisers, sows and then packs down the

creating an excellent seed bed. Simultaneously, fertilisers are introduced into the row spacing. The tilling intensity and depth are controlled hydraulically from the tractor cabin, even on the

move. The system can be additionally fitted with the Crossboard pressure plate, Agrilla loosener

soil. It can sow fine seed crops like beans, as well as grains, including maize for the silo.

Dedicated cut-out discs cultivate and cut the soil,

and the Disc set of discs.

The seeding discs' parallel connection system with a roll-on wheel ensures high precision seeding. Thanks to this, the

seedlings emerge robust and even. Using the Fenix system, it is possible to change the seeding and fertiliser introduction rate during work on the field. These

all-purpose

machines

are now

assembled

in Russia.

February,

h i s

Vaderstad opened i n the Voronezh region its own production facility. According to Anatoly Khan, the company director, today the plant assembles the complete range of Rapid pneumatic and hydraulic seeders, and TopDown and Carrier cultivators. Starting next year, there are plans to start manufacturing Seed Hawk seeders. The situation is all the more advantageous given that Vaderstad-built equipment is subsidised

by the state.

Victor Sapegin, head of the Baulina Farming Enterprise, Konyshevsky district, Kursk region (the farm specializes in growing grain crops):

"The Rapid-400C seeder is a must on our fields. Three years ago we acquired this pearl of farming machinery at AgroCentre. It does a fine job of seeding oats, wheat, and barley, leaving no 'empty' or 'double-sown' spots. This year, the wheat production was superb, 6 tonnes per hectare. Performing several operations in a single pass is the specialty of the Rapid. This year, we purchased another seeding system and tried it out on winter crops. The seeding quality is remarkeled."

Aleksandr Stebnyuk, head of the Stebnyuk Farming Enterprise, Kashirsky district, Voronezh region (the farm grows oil plants and grains):

'On our farm, we've been using the fourmetre Rapid seeder for the third year. Offering high efficiency and an array of capabilities, this machine is a real find. It can simultaneously disc, smooth out, introduce fertilisers and compact the surface for moisture conservation. Thanks to these merits, we produced a fine crop of 3.2 and 2.9 tonnes per hectare of, respectively, wheat and barley. As operating performance goes, I can say that this machine beats all others. It withstands any load and operates at all speeds. What I particularly like is the precision with which the machine embeds seeds in sowing. As a result, the sprouts come regular and even. And the fields look very promising. In short, sowing with the Rapid seeder is a guarantee of high quality.

By Anna BORDUNOVA

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Address of the editorial office:
79-a Radishchev Street. Kursk. 305004.

79-a Radishchev Street, Kursk, 305004, tel. +7 (4712) 39 26 60

e-mail: news@agrozentr.ru

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