

Two New Tractors At Louisville

A super low profile, 82 hp utility tractor from Deutz-Fahr and a heavy-duty utility tractor from Massey Ferguson stood out at the recent National Farm Machinery Show in Louisville.

The new Deutz-Fahr F320 was fitted with a special order cab intended for poultry producers, but its unique features looked good to others as well.

"We had ordered it with this cab for our poultry growers," said Jim Johnson, SAME Deutz-Fahr, North America. "We were surprised at the interest from people in other markets, such as the vineyard market."

The F320 with cab tops out at only 74 in. in height, yet the compact tractor offers a 3,000-lb. loader and a 7,900-lb., 3-pt. lift capacity. The 3-cylinder, 4-WD utility tractor has a 30/15 gear box with top speed of 25 mph. Air ride seat, disc brakes and electro-hydraulic pot and differential lock round it out.

The backswept cab is long on visibility, if short on room. Glass extends from the hood to well past the driver's head. A separate ROPS is mounted on the tractor, as the cab does not provide rollover protection. An optional carbon filter is available for the pressurized air system.

Base price lists at \$50,000. Without the cab, it lists at \$42,210.

Contact: FARM SHOW Followup, SAME Deutz-Fahr North America, Inc., 3883 Steve Reynolds Blvd., Norcross, Ga. 30093 (ph

770 922-5273; toll free 800 965-4256; www.deutzfahrusa.com).

The new HD 2600 Massey Ferguson is a heavyweight utility tractor with 25 percent more useable weight for the highest horsepower to weight ratio in its class. All major components are steel, with heavy-duty castings, axles, gears, bearings and final drives. Even the hood is all steel for increased durability.

"The HD Series is built with a new level of heavy-duty toughness, plus the traditional reliability and practicality of Massey Ferguson," says Rene Boivin, Massey Ferguson.

The four models in the HD 2600 Series range from 62 to 83 hp (pto). Weights range from 6,217 to 6,945 lbs. on the 4-WD models. All are powered by Perkins 1104 4-cylinder, turbocharged diesel engines. They can be equipped with the SynchroShuttle 8 by 8 transmission for on-the-roller shifting or the synchronized 12 by 4 transmission with its in-line shift pattern.

Massey Ferguson HD 2600 Series tractors range from \$26,600 to \$50,000.

See your Massey Ferguson dealer or go to www.masseyferguson.com.



Deutz-Fahr F320 tractor is fitted with a special order cab with great visibility. Glass extends from the hood to well past the driver's head.



Massey Ferguson HD Series 2680 tractor has the highest horsepower to weight ratio in its class.

All-Electric ATV's For Street, Off-Road

Commercial mower maker Bad Boy has a new all-electric multi-terrain vehicle (MTV) that's designed to rival gas-powered vehicles in the field. A second model, called a low-speed vehicle (LSV), is certified for street use in most states. Both share virtually silent and low-cost operation.

Being street legal means the all-electric LSV qualifies for a \$5,669 federal tax credit, more than half the suggested retail price. Some states offer additional tax credits for electric vehicles.

The LSV can do more than just run errands around town. Aside from two less horsepower and 10 ft./lbs. less torque, the MTV and LSV share practically the same specs. Frame, suspension, electric motor, transmission and drive train are all the same. The main difference is that the LSV has street-style tires.

Both offer nearly 8 in. clearance and articulated rear suspension for better traction.

The dump bed has a hydraulic lift to match its 600-lb. load rating. The 2-speed motor and high-power, high-torque drive system make full use of the 4-WD. On-the-go switching to 2-WD for less taxing terrain saves batteries and charge.

The LSV and the MTV are equipped with eight 6-volt Interstate batteries and a smart charge system that plugs into a standard wall socket. Charged up, the system has enough power for up to 50 miles, depending on terrain and payload. Top speed on the LSV is 25 mph with 20 mph the top speed on the MTV.

Bad Boy LSV's have a suggested retail price of \$10,495. MTV's start at \$8,995. Options include an all-weather enclosure, a front basket, a rear seat that slips into the cargo bed, and a battery watering system.

Contact: FARM SHOW Followup, Bad Boy Mowers, 102 Industrial Drive, Batesville, Ark. 72501 (ph 870 698-0090; toll free 866 622-3269; www.badboymowers.com).



"Bad Boy" electric multi-terrain vehicle runs on eight 6-volt batteries and is recharged by plugging into a standard wall socket.

Electric-Powered ATV

eMotors Electric Vehicles recently introduced an all terrain 2-WD electric vehicle that's equipped with a "torque on demand" drive system. It's said to have more than three times the torque of a similar-sized gas ATV.

The E-Force ATV is powered by a 72-volt brushed DC motor with up to 28 hp (10 hp continuous). It has an rpm range of 700 to 5,000 rpm's, with 374 ft. / lbs. of torque at the wheel and 70 ft.-lbs. at the motor. The machine has a rack capacity of 66 lbs. front and 99 lbs. rear. Towing capacity is 1,000 lbs.

Available colors include blue, green, and red, with camo and black available as options. Contact: FARM SHOW Followup, eMotors



E-Force ATV is powered by a 72-volt, brushed DC motor with up to 28 hp.

Electric Vehicles, 6791 Sebastopol Ave., Sebastopol, Calif. 95472 (ph 707 823-3227; www.emotors.biz).



Electric-powered ATV is powered by lithium iron phosphate batteries. They're said to last up to four times longer than ordinary lead acid batteries.

Heavy Duty Electric ATV

You don't need to sacrifice power to drive a quiet, pollution-free vehicle, says Barefoot Motors, Ashland, Ore. Their new electric-powered ATV was on display at the recent World Ago Expo in Tulare, Calif.

It pulls loads with power equal to a 700 cc gas-powered ATV, according to the company, powered by lithium iron phosphate batteries that are said to last as much as four times longer than ordinary lead acid batteries. The rig's maximum speed is 25 mph and range is up to 40 miles, depending on

conditions. A dash-mounted display shows how much time is left before the ATV needs to be recharged.

The electric-powered ATV has a payload capacity of 300 lbs. combined front and rear racks, plus rider. Towing capacity is 1,000 lbs.

"It's not a play machine," says Richard Deckelman. "It produces power the moment you hit the throttle. It produces 65 ft.-lbs. of torque at 1 rpm, whereas tractors and gas ATV's only get that kind of torque at

upwards of 3,000 rpm's.

"It costs more than a gas-powered ATV of comparable power, but the extra cost is more than offset by the savings in gas and maintenance costs. A gas-powered ATV costs 50 to 60 cents per mile to operate, so you can easily spend \$1,000 a year or more on gas and maintenance costs. The electric ATV requires no gas, no oil, filters, tune-ups, etc., which really adds up. It costs only 3 to 8 cents per mile to operate, depending on the local cost of electricity. A typical user will save more than \$3,000 over four years."

The lithium iron phosphate batteries last a minimum of four years with daily use, which is "the longest battery life commercially available today," says Deckelman. Charge time is 7 hours for a full charge. The current M-1 model is 2-WD and sells for \$11,900. The company plans to offer the M-2 4-WD model this April.

Contact: FARM SHOW Followup, Barefoot Motors, LLC, 3151 E. Main St., Ashland, Ore. 97520 (ph 541 482-0181; rdeckelman@barefootmotors.com; www.barefootmotors.com).