High-Speed (40 Mph) Tractor

You've never seen anything like this new high-speed tractor from Britain that does everything from slow-speed subsoiling to high-speed hauling-at speeds up to 40 mph.

A revolutionary new suspension system is the key to success of the new JCB "High Mobility Vehicle" (HMV). The tractor is equipped with coil springs on the front axle and a first-of-its-kind self-leveling "hydropneumatic" oil-and-air spring at the rear which provides for a soft, smooth ride in the field and on the road.

In addition to providing outstanding suspension of the rear end, the hydro-pneumatic springs also make the tractor self-leveling, so it always returns to the same height whatever the weight of the implement mounted on the 3-pt. It lets you boost speeds on jobs like spraying, seedling and mowing. Implements such as sprayers and fertilizer spreaders always stay at the same height, even though their weight drops as their tanks empty. Another benefit of the soft ride is that you can increase forward speeds in the field without being jolted so much. And the suspension system doesn't have to be locked out for heavy draft work.

To allow for high road speeds, the HMV is fitted with air-operated disc brakes on all wheels, powered by a compressor and air reservoirs under one side of the cab. The parking brake is air-operated, too, from a small lever on the left hand side of the steering wheel. Legally, the tractor can haul a 14-ton trailer at 40 mph, but the trailer

also monitors fan and cylinder speed, grain loss, rpm's on each axle, and several engine functions and lets you adjust and control them right on the screen.

Contact: FARM SHOW Followup, Dronningborg Maskinfabrik A/S, P.O. Box 80, DK-8900 Randers, Denmark (ph 45 86 42 88 55).

Alarm Signals When Cow Ready To Calf

This first-of-its-kind alarm detects muscular contractions of the uterus related to birth. It's strap, set in the uterus when the animal is at rest.

The unit automatically adjusts to each animal's needs. And it's notified "at rest" levels of muscular activity.

"It causes no discomfort to the animal. The unit is completely waterproof and shock-proof. Will transmit the alarm up to 2,500 ft. away to the receiving unit," says manufacturer Morag Watt, of Agrimonitor UK. The monitors have a self-maintenance feature that constantly checks condition of the animal, position of belt on cow, and other functions. If there is a problem, a warning will be sounded.

The monitor and remote receiving unit sell for about $1,500. A receiver that can handle up to 8 cows monitors at once is also available.

Contact: FARM SHOW Followup, Agrimonitor UK, Swordale Farm, Bonar Bridge, Sutherland IV24 3AP England (ph 08632-306).

Spreader Handles Solid, Liquid Manure

New-style spreader is designed to handle either solid or liquid manure, spreading both in precisely controlled thin layers up to 20 ft. wide.

The Samson LT-11HM spreader is equipped with a pair of large vertical rear-mounted spreading beaters driven by tractor pto. A standard apron chain drives manure back to the big beaters.

To haul liquid manure, two doors clamp over the spreading drums, scaling up the rear of the spreader, and a hydraulic slurry gate mounts ahead of the beaters. Two spinner discs mount below the rear beaters. Manure runs out onto the discs and is spread evenly across the field.

Rate of spread is easily adjusted in either solid or liquid configuration.

Contact: FARM SHOW Followup, Maskinfabriken Samson, Tange A/S, Bjerringbrovej 10, DK-8850 Bjerringbro, Denmark (ph 45 86 65 85 33).

Powerful Tooth Grinder, Tail Clipper For Pigs

"It's much safer and less painful than using clippers," says Svend Aage Jensen, manufacturer of a new grinder that uses a high-speed rotating diamond stone to gently and safely grind needle teeth on newborn sows without damaging gum tissue.

The battery-powered Pigmatic 110 tooth grinder has a high-speed, diamond-coated, round grinding head enclosed inside a slotted cylinder. You simply slip it over both of the pig's needle teeth and press gently.

"It's less painful to the pig than clippers and eliminates problems with damaged gums and broken teeth," says Jensen.

A fully charged battery provides about 45 minutes of operating time which is enough for about 100 pigs. The grindstone is replaceable. Sells for $400.

Dumatic also introduced a new-style heated-knife tail clipper for docking tails. The Pigmatic 120 both cuts and cauterizes

rear of the clipper, and a hydraulic slurry gate mounts ahead of the beaters. Two spinner discs mount below the rear beaters. Manure runs out onto the discs and is spread evenly across the field.

Contact: FARM SHOW Followup, Maskinfabriken Samson, Tange A/S, Bjerringbrovej 10, DK-8850 Bjerringbro, Denmark (ph 45 86 65 85 33).

the tail, resulting in a clean cut without bleeding. Reduces the risk of tail biting and infection. The knife on instrument is heated to about 670 degrees by a cigarette-lighter butane-gas canister. Each refill provides 90 minutes of tail clipping. Sells for $200.

Contact: FARM SHOW Followup, Svend Aage Jensen, Director, Dumaatic Ltd., 15 Selma Lagerlofsave, DK-2860 Siborg, Denmark (ph 45 31 67 15 27; fax 45 31 67 15 27).