



As the traps capture insects, the cameras inside show infestations in real time so producers can quickly determine how and when to react.

Camera Traps Identify Insect Infestations

A remote insect monitoring system called iScout immediately identifies trouble-making bugs out in the field. It traps insects on a sticky plate, takes a picture with a high definition camera, and sends the image to the owner's computer or smart phone. Built-in software uses artificial intelligence to identify the insects.

Bugs are attracted to the trap by specific pheromone lures that attract insects such as the codling moth, tomato leafminer and many other species. Metos produces Pheromone, Fruit Fly and Bug versions of the iScout along with a Scout Color Trap that attracts insects to blue, yellow and white colored sticky plates.

The types and number of traps needed depend on field sizes and the insects being targeted. Producers may need several traps in larger fields or different versions of the iScouts in the same location.

"Our products can monitor a broad spectrum of more than 20 different insect species that endanger many crops," says

Marty Cook, Vice President of Premium Services, METOS Canada. The information is supplied in real time so producers can quickly determine how and when to react to the bugs. Images are transferred from the field camera to the owner's smart phone or computer up to 3 times a day. A solar panel and rechargeable battery maintain power for the camera and transmitting images. Pictures are time and date stamped so files can be monitored to determine the level of infestation over time.

The products are produced by Pessl Industries in Austria and shipped to Canada for distribution through the METOS dealer network. Annual cost is \$1,000 per year Canadian, which includes all required hardware, FieldClimate software, alerts and cellular connectivity.

Contact: FARM SHOW Followup, Metos Canada, 1666 Dublin Ave., Winnipeg, Manitoba R3H 0H1, Canada (ph 800 665-1362; website: www.metoscanada.ca).

Throttle Booster Cures "Pedal Lag"

If pedal lag is a problem on any of your vehicles, check out Pedal Monster from Banks Power. It counteracts the soft response to stepping on the gas resulting from manufacturers' attempts to maximize fuel economy. They call it "throttle enrichment delay". The Pedal Monster works with gas and diesel-powered vehicles, whether automatic or manual.

"Pedal Monster intercepts signals between the pedal assembly and the vehicle computer and modifies those signals," explains Gale Banks, Banks Power.

Pedal Monster is what the aftermarket auto industry refers to as throttle boosters. It is one of many, but stands out from the others in a number of ways.

"If there is a problem with our competitors' systems, you are left with no pedal response," says Banks. "Pedal Monster is constantly monitoring pedal up and pedal down signals flowing to the computer. If it sees something wrong, it returns the system to stock (normal pedal response)."

Another problem with competing systems is their power demand, he adds. "They draw power by tapping into the pedal monitor circuit which, on many vehicles, doesn't have enough power overload for the booster."

Banks solves that problem by running a power cable to OBD (on-board diagnostics)



Pedal Monster acts as a throttle booster for gas and diesel vehicles. If you don't already have a Banks monitor it runs off a phone app.

ports, where mechanics normally plug in OBD equipment.

Since this offers direct access to the vehicle's computer, the Pedal Monster also has vehicle speed sensing for smoother clutch engagements and gear sensing for reverse safety. Under 10 mph forward and when shifting into reverse, Pedal Monster reverts to stock pedal response.

Pedal Monster is controlled by a free iPhone or Android mobile app or a Banks monitor installed in the vehicle.

Pedal Monster is priced at \$295.

Contact: FARM SHOW Followup, Banks Power, 546 S. Duggan Ave., Azusa, Calif. 91702 (ph 800 601-8072; sales@bankspower.com; www.bankspower.com).



Pultrall fiberglass rebar doesn't react to salt, chemicals, or alkaline in concrete. It has an expected life of more than 100 years in concrete slabs.

"No Rust" Fiberglass Rebar Catching On Fast

V-Rod fiberglass rebar weighs only about 1/4 as much as steel, is up to 5 times stronger, and is easily machined and cut. Best of all, it won't rust.

"The technology was invented in 1987, but it has taken a long time to get it to market," says Bernard Drouin at the manufacturer, Pultrall. "With the high price of steel today, it is now often cheaper."

V-Rod found its first uses in highly corrosive areas like wharves, sea walls, jetties and piers. It's also ideal for specialty construction where electromagnetic neutrality was important, such as hospital MRI rooms, aluminum smelters, airports, and electrical substations. Now it is finding an even broader market.

"We are seeing increased use in farm construction, slabs, manure tanks and any place corrosion is a concern," says Drouin.

V-Rod doesn't react to salt, chemicals, or the alkalinity of concrete. This extends the expected life of the concrete slab or structure

to more than a hundred years in service.

Ease of machining means that if a slab or structure does need to be cut or drilled at a later date, unlike steel, V-Rod won't damage concrete saws or drills.

The composite rebar gets its strength from the glass fibers and corrosion resistance from vinyl ester resins. The pultrusion process to make the rod is combined with an in-line coating process for the sanded surface of the V-Rod.

"FARM SHOW readers in eastern Canada can order direct from Pultrall," says Drouin. "Contact us for our distributors in western Canada, and contact Harris Supply Solutions in the U.S. for suppliers there (www.harrissupplysolutions.com; ph 888 231-1577)."

Contact: FARM SHOW Followup, Pultrall Inc., 700, 9ème rue Nord, Thetford Mines, Qué. Canada G6G 6Z5 (ph 418 335-3202; www.fiberglassrebar.com).



The Third Arm can be mechanically adjusted nearly 6 in. to match different category hitches.

Third Arm Speeds 3-Pt. Hitching

Irish farmer Philip Dickson knows the hassles of hooking up a 3-pt. hitch, so he gave himself a remote third arm. The Third Arm is a linear actuator that drops over the lift arms and moves them closer together or farther apart as needed, all from inside the cab.

"It reduces the risk of putting someone in the crush zone between the tractor and the implement and saves time," says Dickson. "You have full lift arm control from the safety of the cab via remote control."

The Third Arm plugs into a 3-pin, 12-volt outlet standard on European tractors since 2000. Once the operator has completed hookup to the implement, the device can be removed, while the operator or helper connects a pto or top link.

The device can be mechanically adjusted nearly 6 in. to match different category hitches.

"The current configuration can handle Category 1, 2 and 3 hitches, but could easily be modified for Cat 4," says Dickson.

Over the past 3 years it has won multiple awards for innovation. After several years of development, The Third Arm is close to entering full production. Dickson is collaborating with a number of manufacturers, with a plan to mass produce it for sale in Ireland and Europe.

"Our plan is to introduce it to the North American market using one of our manufacturing partners," says Dickson.

A suggested retail price for The Third Arm has not been confirmed yet, due to rising costs of raw materials and shipping.

Contact: FARM SHOW Followup, The Third Arm, Hall Road, Moate, Co. Westmeath Ireland (hello@thethirdarm.com; www.thethirdarm.com).