

Electric Processor Roasts Grain With Infrared Heat

There's never been a grain processor quite like the new Ketron Micro Flow, an all-electric "roaster" for grains and other feeds.

Using ten 1,000-watt infrared heating elements, it can process up to 300 lbs. of corn or 200 lbs. of whole soybeans per hour. "That makes it suited for small farms and larger, where needs are for up to 600 tons of processed grain per year," says developer Jesse Gingrich, a former dairy farmer and now owner of JB Gingrich, Inc., West Montrose, Ontario.

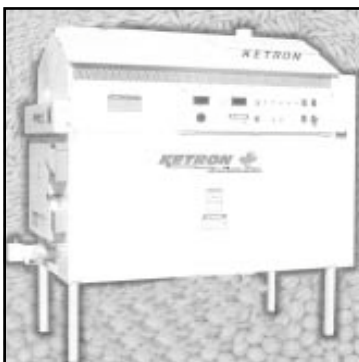
Grain is alternately heated and allowed to steep as it moves through the roasting chamber on a shaker pan. It takes only about 75 seconds for grain to move all the way through the heating chamber. Speed of the auger can be varied to achieve higher or lower final temperatures.

After grain has gone through the heating chamber, it enters a larger steeping chamber where it is held at temperature for another 20 min. Then the hot grain is augered into the final chamber where it can steep for an additional 10 min. and cool off.

As grain is emptied from this final chamber, an air exchanger collects heat which is blown through grain entering the processor to prewarm it.

Gingrich says it takes approximately 30 min. to get the entire system up to operating temperature. "Soybeans need to be processed at a higher temperature, so processing them is slower," he explains.

The processor requires 230 volt, 60 amp single phase electricity. It measures 36 in. wide by 6 ft. long and 6 ft. high. While it can be installed anywhere power is available, Gingrich recommends it be installed in a large



Using ten 1,000-watt infrared heating elements, processor roasts up to 300 lbs. of corn or 200 lbs. of whole soybeans per hour.

feedroom or outbuilding away from livestock housing as it does generate quite a bit of heat while operating.

Gingrich has had feed made from processed soybeans analyzed and found crude protein increased about 1 percent, from 37.45 percent for raw beans to 38.46 percent for roasted beans. "The biggest change was in rumen bypass protein, though. That went from 10.14 percent in raw beans to 36.14 percent in roasted beans," he says.

Gingrich's Ketron Micro Flow processor is priced under \$11,000 (Canadian), plus delivery.

Contact: FARM SHOW Followup, JB Gingrich Inc., 169 Katherine Street N, R 2, West Montrose, Ontario N0B 2V0 Canada (ph 519 664-3826; fax 519 664-1235).

"Critter Magnet" Uses Recorded Sound To Boost Hunting Success

Chris Talley, Meridian, Idaho, is the inventor and marketer of the Critter Magnet - a CD-based system of recorded sounds to attract coyotes and other prey.

Frustrated coyote hunters will want to take a look at this new weapon for calling the wily predators.

Talley's system includes a state-of-the-art portable sound system that produces calls so realistic even the most discerning, wary coyote can't tell them from the real thing.

Systems are available with either mono or stereo sound and 20-watt horn speakers. Just 15 minutes of charge time provides nearly 40 minutes of play time.

The entire system comes in a heavy-duty steel case with a camouflage carrying bag.

Prices start at \$239.95 plus shipping/handling for the basic mono system.

Talley offers a 3-CD set of rabbit sounds he uses to hunt coyote and other predators. His Website has a complete list of states and



Portable sound system comes in a steel case with a camouflage carrying bag.

brief descriptions of what game can be hunted using electronic calls. Crows, coyotes, and other predators and fur-bearers are mentioned most often.

Contact: FARM SHOW Followup, Chris Talley, Talley Enterprises of Idaho, Box 1392, Meridian, Idaho 83680-1392 (ph 208 846-8955 or 800 572-0094; E-mail: tei@crittermagnet.com; Website: www.crittermagnet.com).

Hands-Free Locking Clamp

Here's a set of locking pliers fitted with a clamp, ready for all kinds of welding, soldering or other jobs. Gives you an extra hand for all kinds of jobs.

It consists of a 7-in. long pair of locking pliers with curved jaws and wire cutter. The clamp is a 2-in. C-clamp. Weighs 1.3 lbs.

Sells for \$19.95.

Contact: FARM SHOW Followup, Gemplers, Inc., Box 270, Belleville, Wis.



53508 (ph 800 382-8473; Website: www.gemplers.com).



Harvester is essentially a 20-ft. header mounted on a grain tank. Grain is harvested "dirty" in the field and taken back to the bins for cleaning.

McLeod Harvest System Now Ready For Market

That revolutionary grain harvesting system FARM SHOW first reported on five years ago (Vol. 20, No. 6) is now on the market.

To get sales going, inventor and manufacturer Bob McLeod is offering an introductory selling price of \$185,000 (Canadian) with a buy-back guarantee that significantly reduces the financial risk to buyers. The buy-back period lasts for two years.

"It's the first serious alternative for harvesting grain since the combine was invented in 1836," says McLeod. "This invention will help to improve farm incomes. We have a mailing list of hundreds of farmers all over the world who have expressed interest in the idea."

The two-machine harvesting system is designed to totally replace conventional combines. The system promises to reduce equipment cost by 40 percent, cut grain loss by 2 percent, produce cleaner grain, remove chaff and nearly all weed seeds from the field, and mill docked material into livestock feed.

McLeod's idea is to use two machines instead of a single combine. The "harvester" mounts on an existing tractor. It removes grain, chaff, and weed seeds from the field, leaving the straw behind. In effect it harvests "dirty" without doing any separating or cleaning. It's equipped with a 20-ft. header



Stationary cleans a load while harvester heads back to the field.

and features a large 1,200 cu. ft. grain box compared to the 250 to 300 cu. ft. hoppers on most existing combines. It's designed to collect grain from 9 to 12 acres of grain before unloading.

The second machine is a stationary processing unit that can be located back at the grain storage area. It separates grain from the crop material gathered in the field and cleans it to export standards using new air cleaning technology. It uses a roller mill to crush and compress the collected chaff and weed seeds for use as livestock feed, litter, or for disposal. The processing unit is powered by a new-style 30 hp single-phase electric motor.

Contact: FARM SHOW Followup, McLeod Harvest Inc., 200-720 Broadway Ave., Winnipeg, Manitoba, Canada R3G 0X1 (ph 204 772-8650; fax 204 772-8827; E-mail: mharvest@videon.wa ve.ca; Website: www.mcleodharvest.com).

Telescoping Gooseneck

"I was going through my old story files and came across this idea from a few years ago which I think is still relevant today," says veteran farm writer C.F. Marley of Nokomis, Ill.

"Bob Mowen of Kane, Ill., built a telescoping hitch for his gooseneck flatbed trailer so he could tilt the bed for easy loading of machinery," says Marley. "The photo shows the gooseneck in the raised position. A hydraulic cylinder mounts alongside the hitch, which telescopes upward. Power is supplied by a 12-volt powered hydraulic pump that mounts on front of the trailer.

"He used this setup for a long time with good success. Seems like this is an idea that should have caught on big time. It's a lot cheaper than a beaver tail on back or other loading devices on the market."

Contact: FARM SHOW Followup, C.F.



Telescoping hitch allows bed to be tilted for easy loading of machinery.

Marley, Box 93, Nokomis, Ill. 62075 (ph 217 563-2588).

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