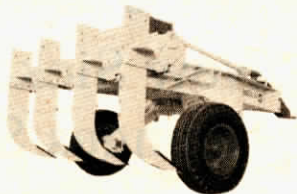


Nitrogen Test For Manure

"This new tester allows you to quickly and accurately test livestock and poultry manure for plant-available nitrogen content — without having to send samples far away for testing," says the Swedish manufacturer of the new Agros nitrogen meter.

Testing manure is important because plant-available nitrogen can vary from 0 to 40 kg of nitrogen per cubic meter, a spokesman points out. Measures all types of livestock or poultry manure in a matter of



Vibrating Subsoiler

New from Italy and just introduced into the U.S. and Canada is this pull-type vibrating subsoiler.

It goes down deep — up to 3 ft. — and breaks up the soil without bringing less productive soil to the soil surface, explains the manufacturer. Because it's pull type, vibrations from the plow don't transfer and cause the tractor to also vibrate. Available in 2, 4 and 6 row models.

Contact: FARM SHOW Followup, Otto Timm, Timm Enterprises, P.O. Box 157, Oakville, Ont., Canada L6J4Z5 (ph 416 878-4244, or 826-1333).

minutes. Sells for about \$400.

Contact: FARM SHOW Followup, Agros, Ovagen, S-53303 Kallby, Sweden.



"Ovens" can be spaced for weed control in row crops, or ganged for "broadcast" weed control.

GAS-FIRED "OVENS" COOK WEEDS TO DEATH

Early Weed Control Without Chemicals

Latest new way to control weeds without chemicals is the gas-fired "Herbigaz" developed in Holland.

For row crops, rectangular shaped ovens kill weeds between the rows by cooking them to death. Lp-gas fires catalytic burners inside each oven, giving off infrared heat which heats the area under each oven to 900°C. Although extremely hot on the inside, the ovens are heavily insulated so as not to burn crop stems and leaves that rub against the outside of each oven as the weed "cooker" moves through row crops. The ovens can be ganged side by side for broadcast control of weeds in pastures, lawns and so forth.

"Growing weeds are about 55% water. Intense heat inside the ovens causes the plants to explode and die," explains Lesly Callard, export secretary for the French firm distributing the Herbigaz. "Previous attempts to control weeds with direct flame burners have generally been unsuccessful because of the inability to control heat output. Also, previous flame cultivators were slow and took

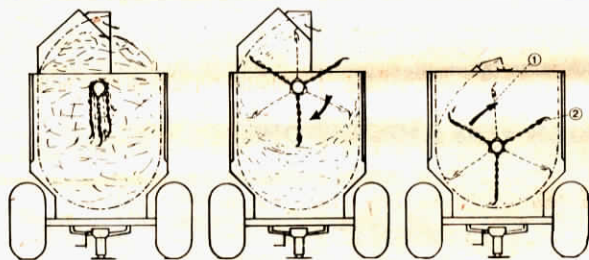
a lot of fuel. This new oven concept overcomes these shortcomings. Heat can be controlled and the concept uses considerably less fuel," Callard points out.

She notes that heat from the oven is intense enough to kill weed seeds and insects in the top 1½ in. layer of soil. Consequently, the treated area stays clean and free of weeds for relatively long periods of time.

"The new weed-cooking concept is aimed primarily at early season weed control in vegetable and other specialty crops. For organic farming, we think it has wide application in virtually all crops whether grown in rows or broadcast. It's also ideal for controlling weeds in areas where chemicals have been banned" says Collard.

She notes that the machine has to operate at a relatively slow field speed (3 km/hr.) to allow sufficient "cooking" time for weeds to be exploded and killed.

Contact: FARM SHOW Followup, Cerimon, Moncoutant, Deux Sevres, France.



"Slinger" Spreader Unloads Entire Load Uniformly

A key feature of this new "slinger" type spreader is that its rotor drops down to provide a uniform discharge rate from start to finish. It empties in about four minutes and handles all types of manure — from sol-

ids to liquids and everything in between.

Contact: FARM SHOW Followup, Lucas G. Constructeur, B.P. 9-La Verrie, LA Gaubretiere, France.

Variable Wheelbase Loader

A key feature of this articulated, self-propelled loader for manure, big bales and dozens of other chores is its variable wheel base. As the load is lifted, the front and rear wheels automatically spread apart to give the loader stability as the load raises and the machine becomes progressively more top heavy.

The normal wheelbase (about 4½ ft. between front and rear wheels) makes the short-couple loader maneuverable in tight to a maximum of about 6 ft. between front and rear wheels. Equipped with a 25 hp motor, the loader handles up to 1,000 kilograms.



Contact: FARM SHOW Followup, SAB, Societe Agricole Bourbonaise, 35 Rue Pasteur, BP 85, 03204 Vichy, Cedex, France.

Bale Chopper-Shredder

New from England is the Meteor Chopper-Shredder for big round bales.

It handles round bales up to 5 ft. in dia., or you can load it with 15-20 small rectangular bales. A key feature is that the back half of the unit folds down hydraulically for easy loading of big bales.

The pto-powered base table has 45 serrated fixed blades and 36 moving blades to chop up the bale. Nine baffles on the edge of the table funnel the straw to the throw-out chutes where the straw shoots out.

Chopped material can be simultaneously blown out on both sides of the machine. Or, either chute can be closed for spreading to one side only.



Back half of the Meteor opens up for easy loading of bag bales.

The company is looking for a U.S. manufacturer or importer. Sells for right at \$4,200.

Contact: Farm Show Followup, Walley, Cotton Abbots, Waverton, Chester, Cheshire CH3 7PH (ph Chester 0244 335753).