

Corn An Oil Well

ST. LOUIS, Mo. — From endangered germplasm to enhanced ethanol, cutting-edge science promoting "corn as an oil well for industrial products" will be highlighted in the popular poster session of Corn Utilization Conference V (CUC V) on June 8-10 at the Hyatt Regency at Union Station in St. Louis.

Sponsored by the National Corn Growers Association (NCGA), CUC V will bring together for the fifth time since 1987 several hundred scientists from U.S. and

foreign universities, corporations, research institutions, and government laboratories.

The poster session is always one of the highlights of the conference, notes session chair Mike Tumbleson, professor of the veterinary biosciences at the University of Illinois, Urbana.

"Attendance is high and interest is keen because this session allows researchers and entrepreneurs to present to their peers schematics and samples of their latest processes and products," said

Tumbleson.

Among the most exciting topics to be featured are:

- A streamlined, cost-effective process for producing calcium magnesium acetate (CMA), a corn-derived, environmentally-preferred alternative to rock salt as a road de-icer (University of Illinois).

- A revistation and improvement in the extraction of levulinic acid — "a forgotten chemical giant" — from corn, levulinic acid

has potential uses as resin, plasticizer, constituent of hydraulic brake fluid, animal feed, coatings and as a solid antifreeze (University of Nebraska-Lincoln).

- A genetically engineered yeast which speeds and reduces the cost of ethanol production by fermenting both glucose and xylose simultaneously (Purdue University).

- Improvement in the extrusion process of biomass-filled degradable polyethylene films which

combine speed and consistency (University of Missouri-Columbia).

- A simple process in which corn-derived glucaric acid is transformed into "hydroxylated nylons," synthetic polymers with a range of properties and potential uses (University of Alabama).

- The sustained release of atrazine from cornstarch and biodegradable polymer blends to both maintain weed control and reduce non-point source pollution (University of Kansas).

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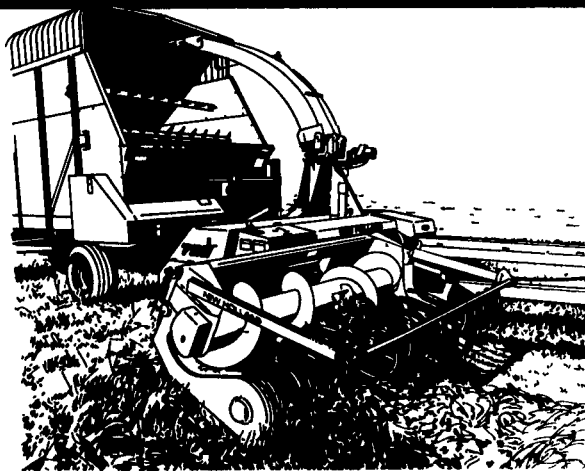
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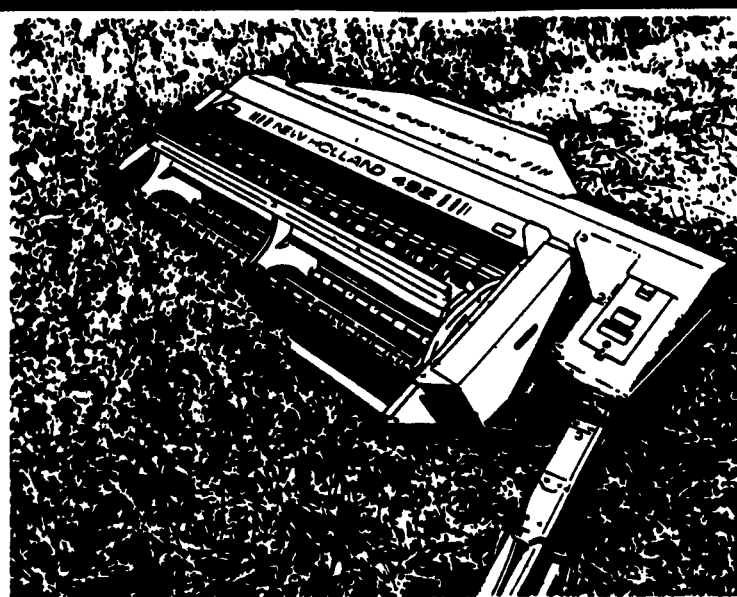
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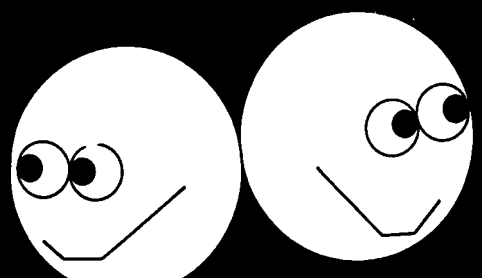
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