

Grazing lands simulator is demonstrated

COLLEGE PARK, Md. — Computer gaming and simulation aren't just something designed for enticing teen-agers to kill time at the local video arcade.

Rangeland specialists at Montana State University have adapted these techniques to develop "Grazing Lands," a public education analog computer program in which participants learn to make decisions concerning management of livestock, wildlife and grazing land. Cooperating groups have included the Society for Range Management and the Extension Service in the U.S. Department of Agriculture.

"Grazing Lands" made its first East Coast appearance on Thursday during a spring Mini-Field

Day at the University of Maryland's agronomy-dairy forage research farm near Clarksville (Howard county). The event was co-sponsored by the university's Cooperative Extension Service and the Maryland-Delaware Forage Council.

Demonstration of the grazing land simulator began at 10 a.m., according to Lester R. Vough, Extension forage crops specialist and associate professor of agronomy at the College Park campus. Delegations from Penn State and Clemson University were on hand as interested observers.

A two-hour tour of research plots on the forage farm began at 1 p.m. Tour stops included Small grains

and annual legumes for winter silage production; Legume cover crops for providing nitrogen to corn; Furadan application and seeding rate evaluations with alfalfa; Alfalfa and red clover variety comparisons.

As an aftermath of cold weather spells earlier this year, the variety comparison plots gave a vivid illustration of which legumes have good winter hardiness, Vough

commented.

A chief reason for the mini-field day, he noted, was to sample the extent of interest in the grazing lands simulator. Although it is programmed for western range conditions, a similar unit could be developed for the humid East if there is sufficient interest.

The "Grazing Lands" simulator demonstration was coordinated by Daniel L. Merkel, USDA Extension

program leader for range management, headquartered in Washington, D.C. Merkel was assisted by representatives from Montana State University.

The "Grazing Lands" analog computer simulator is the third in a series developed by natural resources specialists at Montana State in recent years. Previous simulator models dealt with energy and water use.

Pest hotline to begin


NEWARK, Del. — The University of Delaware Cooperative Extension Service will again use its crop pest hotline to report on in-season crop pest activity, as part of its integrated pest management and entomology programs. The code-a-phone system will go on line April 19.

According to extension pest management specialist Joanne Whalen, the hotline will provide farmers with information on field scouting methods, first occurrence of pests, peak pest activity, economic thresholds of infestation, and treatment guidelines for insects, weeds and diseases in

corn, soybeans and other crops.

Information for these reports will be collected by pest management scouts, U.S. Department of Agriculture APHIS survey personnel, extension specialists and agents, and private consultants. The hotline will be updated weekly during April and May. New reports will go on the system by 10 a.m. on Thursdays. During June, July and August, messages will be updated by noon on Tuesdays and Fridays.

Currently Delaware residents can reach the hotline by dialing 1-800-345-7544. Plans are being made to install an out-of-state line as well.



HAY! MOWERS

Mow it with the most advanced hay mowing system in the world! Rotary Drum and Disc Mowers from Vermeer

- Smooth balanced cushioned system with built in protection
- Reversible cutting knives replaceable in seconds
- Built with the finest quality materials and components money can buy
- Saves you up to 30% off older more expensive mowers

Vermeer

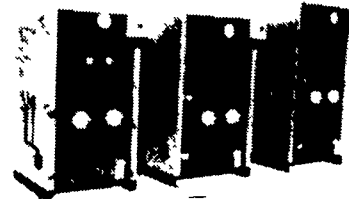
NEW YORK

Alfred Station Roy L. Doane
607/587-8876
Schaghticoke Raymond E. Johnson
518/692-7050

PENNSYLVANIA

Fleetwood Red Wing Farms
215/944-0402
Kittanning William E. Ramer
412/548-2317
Peach Bottom Triple H Farms
717/548-3775
Wyalusing William Beebe
717/746-3435

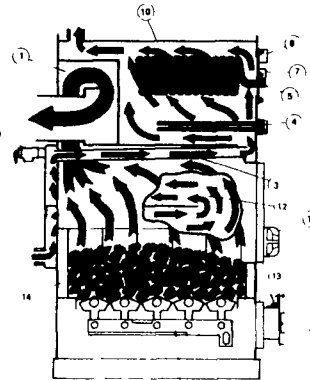
HARMAN TRIDENT BOILERS



THE ULTIMATE IN WOOD/COAL BOILERS, FURNACES & FREE STANDING STOVES
(Available to plumbers at wholesale price)

FEATURES:

1. Exclusive Harman Spiral Chamber
2. Harman Cast-Iron Grate System with external shaker lever
3. 1" Schedule 80 Water Pipes
4. Optional Electric Back-Up Kit
5. Optional 4 gpm Domestic Hot Water Coil
6. ASME Pressure Relief Valve
7. Temperature Pressure Gauge Fitting
8. Dual Function Aquastat Fitting
9. Electronic Automatic Draft Control
10. Heavy 3/4" & 5/16" Steel Construction
11. Overfire Draft Controls Provides Secondary Air To Burn Coal Gases
12. Unique Water Flow Pattern For Maximum Heat Transfer
13. Heavy Cast-Iron Doors
14. Fire-Brick Lined



CHESTER B. NOLT

30 S. Hershey Ave. (Bareville) Leola, Pa. 17540

Phone (717) 656-6898

Hours: Mon. & Tues. by Appointment
Wed., Thurs., Fri. 10 to 8; Sat. 10 to 4

CALL US FOR FREE ESTIMATES

on TOP QUALITY BARN SPRAY & BRUSH PAINTING

Try Our New Concept In Penetration And Adhesion.

In 1983

To earn a dollar - give a dollars worth of service and work Pay only \$750 for the best kind of barn painting on an average barn - if you pay more you paid too much

On barn siding painting - temperature and timing are factors as well as penetrating kind of quality for adhesion are helpful guides for long lasting under average conditions of siding type and age

I will share helpful guidelines on roof maintenance of steel roofs by brushing on at prime time

The farmers in Lancaster Co. are lucky because of the amount of competition in barn painting.

Check with us for the best deal!

PHARES S. HURST

RD 1, Box 420, Narvon, PA 17555
215-445-6186

BRUNING
Years of experience plus self employment gives you quality work for less expense.

ATTENTION DAIRYMEN

**STOP LOSING COWS
A LITTLE MONEY NOW
FOR GROOVING CAN
SAVE LOTS OF MONEY LATER**

The TMI "EDGE" provides clean, straight grooves in feed alleys, freestalls, holding lots and corners for improved traction, heat detection and drainage and the reduction of broken bones and splitting.

Group rates available!

CALL OR WRITE:

TRACTION MASTERS, INC.

Merle Becker
224 S. Market St.
Ephrata, PA 17522
(717) 738-1359

Darl M. Packard
1514 Hollins St.
Baltimore, MD 21223
(301) 945-7313

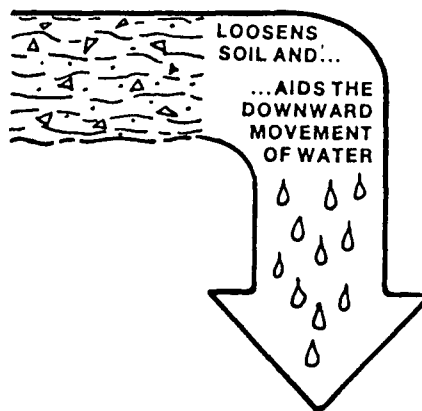


...come GROW with us

LOOSENS SOIL AND AIDS THE DOWNWARD MOVEMENT OF WATER

AGRI-PRODUCTS SOIL CONDITIONER™

A SPECIAL FORMULATION



J&J SOIL CONDITIONER™ is a Highly Concentrated Liquid. Apply at the rate of 12 oz. per acre. J&J SOIL CONDITIONER™ may be applied before the planting, during the growing cycle or after the harvest. Rainfall or irrigation will more fully activate J&J SOIL CONDITIONER™

**ORDER NOW FOR
SPRING APPLICATION**

SEND ME _____ Gallon (s) J&J Soil Conditioner @ \$67.00 Each - Prepaid

SEND ME _____ 5-Gallon Container (s) J&J Soil Conditioner @ \$325.00 per 5-Gallon Container (\$65.00 Gallon) - Prepaid

- I enclose my check.
- Bill my Master Card or VISA
- Account Number _____
- Expiration Date _____
- Ship C.O.D. (we pay the freight)
- Send me free information
- I am interested in a dealership

Name _____

Street _____

City _____

State _____ Zip _____

Phone (Area Code) _____

Acres Farmed _____

Crops Grown _____

come GROW with us!

AGRI-PRODUCTS & SERVICES
220 South Second Street
Dillsburg, PA 17019

QUESTIONS? CALL 717-432-2461 or 3068