

## Paraquat gets multi-use approval

SAN FRANCISCO, Cal. — Ortho Paraquat CL has received 24(C) Special Local Need registration in five eastern states for use several times throughout the growing season to control weeds between alfalfa cuttings. The registrations include Pennsylvania, Virginia, West Virginia, Maryland and Delaware.

Ortho Paraquat CL is the only herbicide labeled for between-

cutting applications on alfalfa. University research and grower results have shown the product to be effective in controlling annual grasses and broadleaves and to suppress perennial plants that emerge in the summer. The new multiple application registration now gives growers greater flexibility in the use of this weed control tool, according to Chevron Chemical Company.

The contact herbicide may be applied at the rate of one pint per acre in 20 to 60 gallons of water by ground equipment as a broadcast application. It should be applied only to established alfalfa stands that are at least one year old.

Applications should be made immediately after alfalfa has been removed for silage or hay. Fields should not be treated more than five days after cutting.

Growers should note that alfalfa foliage present at the time of application will be burned, and that weeds germinating after the

## PMA cites Sauder

PHILADELPHIA — Pennsylvania Manufacturers' Association Insurance Company has presented Safe Driver Awards to R.W. Sauder, Inc., Lititz, in recognition of the poultry and egg processing firm's outstanding highway safety record.

Paraquat application will not be controlled.

Paraquat may be applied from one to three times during the cutting season. Chevron also recommends that 16 fluid ounces of Ortho X-77 Spreader be added to 100 gallons of spray mix.

The awards presentation took place during a Driver Award Banquet at the Leola Family Restaurant. Paul Sauder, vice president, and Craig Sylves, account executive for PMA, presented the awards to six drivers. Each driver averaged 50,000 miles annually in eastern Pennsylvania, New York, New Jersey, Delaware and Virginia.

Drivers honored were Reuben Horning, 11 years; Louis Sauder, 3 years; and Nelson Gingrich, Marvin Hartman, Jr., Ken Fisher and Luther Staats, all 2 years.

Have You Purchased Your SILAGE and HIGH MOISTURE CORN ADDITIVES or PRESERVATIVES For The coming Season?



With the large selection of products available to you today, deciding which way to turn brings important questions to be answered...

??  
The Questions  
??

- WHAT AM I GOING TO USE ON MY SILAGE THIS YEAR?
  - An Enzyme Based Product?
  - A Yeast Preparation?
  - A Urea Product?
  - A Molasses Based Product?
  - A Cultured Additive?
- WHAT WILL TOTAL COST OF THE PREPARATION BE?
  - Cost Per Ton!
  - Coverage Per Ton!
  - Total Return Vs Dollar Investment!
- HOW WILL I APPLY THE PRODUCT I CHOOSE?
  - Easy Application!
  - Requires Special Applicator!
  - Must Be Applied By Hand!

Now .Let us give you answers to the above questions in relationship to our product . ALFA-ZYME!

!!  
The Answers  
!!

- ALFA ZYME is a fermented enzyme product injected onto a fine grade alfalfa (a top grade carrier of enzymes) We have the ORIGINAL ENZYMES PRODUCT!
- The COST of ALFA-ZYME Vs return for your dollar is fantastic While other products use minimal lbs per ton ALFA ZYME requires 90 Lbs for every 3 tons of silage or high moisture corn. A 120 ton silo takes 40 bags or 1 tone of ALFA-ZYME
- We realize we might not have the easiest product to apply, but after application we have that "SOME THING SPECIAL" that makes better silage and corn! (No we don't have an "easy applicator" but then again if your results are not satisfactory with "easy applied" products all you end up with is a useless "easy applicator!"

We hope the above information has captured your attention. Now we have a few questions of our own...

- Do you realize the product you choose will determine the outcome of your silage up to the next filling season? You can change your feeding program often, but the product you apply to your silage or corn must work the coming winter, spring and summer months!
- Have you already purchased a product because of an early discount or "special deal"? If so, try this test...fill 1/2 your silo with the other product and then add ALFA-ZYME to the remainder. Make 1982 the year you make the test!



### IN SUMMARY...

Making BETTER SILAGE and HIGHER MOISTURE CORN is our main business. And, ALFA-ZYME has been proven on farms like yours in PA, MD, and VA.

NOW...THE FINAL QUESTION!... Where can I purchase ALFA-ZYME?...Ask your feed dealer, farm store operator, call or write:

ALFA-ZYME  
Box 32, New Kingstown, Pa. 17072  
717-697-9085

Many Dealers to serve you in PA, MD, & VA

ALFA-ZYME

...Silage maker and preserver of outstanding merit!

# BEAT THE SUMMER HEAT... SPRINKLER COOLING SYSTEM (Not Fogger) FOR HOGS

### THE PROBLEM

When the temperature goes up, one of the first ways your body reacts is by breaking out in perspiration. That's nature's way of cooling off.

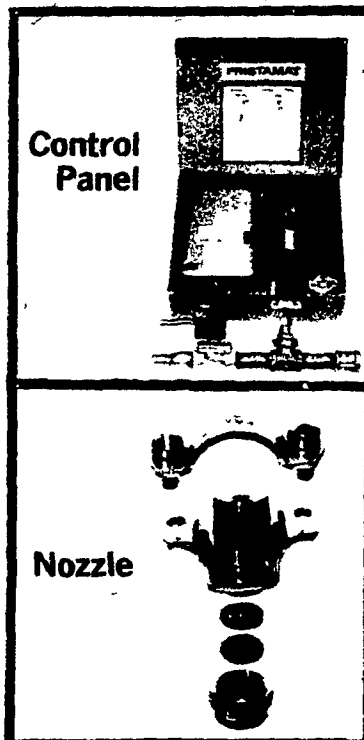
It's different with hogs. High temperatures cause them a great deal of stress because they can't sweat. When under this stress due to heat, hogs will lose their appetite, weight gains drop, there is poor feed conversion, conception rate is reduced and pens become a mess. All of this adds up to lost profits.

### THE SOLUTION!

When the temperature is above 72° F even ventilation can't cure the stress that results. But a sprinkler cooling system can help your hogs where nature fell short, giving them a chance to cool off. It sprays them with coarse water droplets to reduce their body temperature. The idea is simple, but extremely effective.

### THE SYSTEM:

The sprinkle cycle is turned on automatically whenever the barn temperature rises above a preset level 72° F. Throughout this "on" period the control functions to permit sprinkling to occur for a preset time period each hour. (2 minutes/hour is recommended for best results.) When the barn temperature drops below 72° F the cycle is automatically interrupted.



The nozzles are clamped to a plastic pipe strung over the gutter of slatted area at the rear of the pen. Each nozzle covers a 5-6 foot diameter area which usually means one nozzle per pen. The nozzle assures a coarse droplet spray pattern which is important for maximum cooling. A fine mist of fog is not desirable in geographical areas of generally high summer relative humidity.

### THE PROOF:

	Control Hogs not sprayed	Hogs Sprayed 1 min per hr above 85°F	Hogs Sprayed 1 min per hr above 70°F	Hogs Sprayed 1 min per hr above 70°F
Average daily gain per hog	1.37	1.62	1.62	1.72
Average daily feed consumption per hog	5.84	6.77	6.72	6.67
Lbs. feed per lb. grain per day	4.38	4.18	4.16	3.89
Lbs. feed save/hog	0	22	22	49
Days earlier to market	0	1	11	15

Research done at Ridgetown College of Agricultural Technology in Ontario and at the University of California have shown these results:

\* These figures are calculated on hogs from 100 lbs. up to 200 lbs

Swine Confinement Systems  
**HARMER BOY AG. INC.**

Best in Design, Price and Experience

457 E. MAIN AVE., MYERSTOWN, PA 17067

1/2 Mile East of Myerstown

Call 717-866-7565 For An Appointment or Stop By Our Office. Our Trained Staff Will Do Their Best To Assist You With Layout And Design.