

Researchers Expect Late Blight To Challenge Potatoes

GREENSBORO, N.C. — Late blight was a significant disease in many potato-growing regions in 1993. That means growers should be even more prepared for the disease in 1994, according to researchers who attended a recent Potato Late Blight Symposium in Portland, Ore., sponsored by Ciba Plant Protection.

"Since we had a lot of late blight disease confirmed in 1993, the inoculum will be there in 1994," said Duane Preston, area extension agent, potatoes, with the University of Minnesota and North Dakota State University, Grand Forks, N.D. "If the environmental conditions favor late blight, we can expect to see the disease again."

For late blight to occur, three things must be present: the pathogen (*Phytophthora*), a host plant, and environmental conditions conducive to disease development (cool, damp conditions). The host plant can be in the form of the growing potato, cull piles, or volunteer potatoes. There also are some species of late blight that can transfer from tomatoes to potatoes

in areas where both crops are grown.

Researchers at the meeting agreed that one of the keys to controlling the disease is to follow good cultural practices, which include:

- Eliminate cull piles and volunteer potatoes.
- Use resistant or tolerant varieties when possible.
- Plant disease-free seed.
- Use crop rotation to reduce disease pressure.
- Manage irrigation properly.
- Use early preventive fungicide applications.

Fungicides have proven their effectiveness in the past for control of late blight and storage diseases caused by late blight. Ridomil® prepacks, including Ridomil MZ®, Ridomil/Bravo® and Ridomil/Copper, along with protectant fungicides, have been used effectively in the past.

Because storage diseases used to be a greater issue than late blight in the field, the Ridomil prepacks were recommended primarily for storage rot control.

According to Ciba Phytopatho-

logy Research Specialist Dr. Bobby Bassi, that is no longer the case. Because of the increase in late blight occurrence, Ciba recommends early preventive applications of the prepacks.

As many as three applications of Ridomil prepacks are recommended at 14-day intervals. The final application should be no later than row closure (when the potato plants touch each other within the row). The company recommends that growers then use protectant fungicides according to their labels for the remainder of the sea-

son. A protectant spray should be used between the early Ridomil prepack applications.

This early preventive program has proven itself effective in Ireland, where severe late blight infestations became rampant several years ago and threatened the entire potato industry.

Dr. Leslie J. Dowley, head of plant pathology/entomology, Oak Park Research Centre, Carlow, Ireland, relayed the success in Ireland.

"To effectively control late blight, we use a Ridomil prepack

for the first three sprays at intervals of 10 days or less," he said. "We follow with protectant fungicides. This program controls a disease that had threatened our potato industry. More and more growers continue to adapt the early preventive program, which has helped the overall industry."

Growers should rely on local extension and university representatives, as well as their agrichemical dealer and sales representatives, for recommendations on the most effective late blight control program in their area.

Spring Meeting Set

IRISHTOWN (Adams Co.) — The annual spring meeting of the Adams County Farmers' Association will be held Tuesday, March 29, at the Irishtown Community Fire Hall, according to Larry Feeser, co-chairperson for the annual event.

The Adams County Farmers' Association is a general farm or-

ganization with 900 family members. It is affiliated with the Pennsylvania Farmers' Bureau.

"The purpose of the meeting," according to Co-chairperson Kevin Holtzinger, "is to familiarize the membership with special programs and business services offered to our members."

Holtzinger also noted that the

membership of the organization will be voting to rename the group to the Adams County Farmers' Bureau during the business session. He urged all members to be present.

Tickets for the spring meeting, which includes a family-style dinner, can be purchased by calling any board member or committee Co-chairs Larry Feeser and Kevin Holtzinger. Reservations are due by March 15 to Treasurer Pam Ketterman.

DIRT KILLER

PRESSURE WASHERS

DIRT KILLER NOZZLES



A Revolutionary Approach To Pressure Washing

Cut your cleaning time in half with the famous Dirt Killer Nozzles

The DK Cleaning Nozzle

The Dirt Killer is the ideal cleaning nozzle. With its unique, high-speed, spinning head it gives a less powerful machine the impact of larger, more powerful industrial pressure washers. The DK, unlike some rotary nozzles, leaves no unsightly pressure washing lines on the surface it is cleaning and it is safe for use in sensitive

industrial areas. Some uses include brick restoration, paint and graffiti removal and deck cleaning. When you don't need a water blasting nozzle, but want high performance cleaning, turn to the DK from Dirt Killer.

Part No.	3.5 DK	4.5 DK	5.5 DK	7 DK	
COLOR	WHITE	YELLOW	BLACK	BLUE	
MAX. PSI	3000	3000	3000	3000	
MAX. TEMP.	180°	180°	180°	180°	
BUCKET THREAD	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	Special Price
PRICE	\$90.00	\$90.00	\$90.00	\$90.00	59.00
REPAIR KIT	\$54.00	\$54.00	\$54.00	\$54.00	34.00

The IDK Water Blasting Nozzle

The Industrial Dirt Killer is the world's most powerful cleaning nozzle. It also features a spinning head, which moves at a much slower speed to produce large water droplets that deliver a devastating blasting force. The IDK has the ability to attack and thoroughly clean 3-dimensional surfaces such as concrete

and steel. Difficult cleaning projects, such as crab pots, hog confinements, farrowing crates, milk barns and many others, are made easy with this incredible tool. For the toughest industrial pressure washing applications, ask for the IDK from Dirt Killer

Part No.	4.5 IDK	5.5 IDK	7 IDK	8 IDK	
COLOR	YELLOW	BLACK	BLUE	RED	
MAX. PSI	4700	4700	4700	4700	
MAX. TEMP.	180°	180°	180°	180°	
PRICE	\$150.00	\$150.00	\$150.00	\$150.00	95.00
REPAIR KIT	\$74.00	\$74.00	\$74.00	\$74.00	47.00

USE IT ONCE YOU'LL NEVER PART WITH IT!

Service Advisory:

Using a Hi-PSI Filter increases the life of the DK & IDK. When using hot water we strongly recommend that you use the Hi-PSI Filter and lubricate the nozzle every 2-3 hours with a teflon blended oil.

Part No.	41502F	41502FWO	41502	OIL DK
Description	Hi PSI Filter with 1/4" Quick Coupler	Hi PSI Filter w/o Quick Coupler 1/4" FNPT Thread	1/4" OCM Plug	10 oz Teflon Oil
Price	\$40.00	\$40.00	\$2.50	\$8.00
Special Price	25.00	25.00	1.50	5.00

Offer Expires 3-31-94



B&B SPRAY PAINTING SANDBLASTING

SPRAY - ROLL - BRUSH



Specializing In Buildings, Feed Mills - Roofs - Tanks - Etc., Aerial Ladder Equip. Stone - Brick - Restoration

574 Gibbon's Rd., Bird-In-Hand, Pa.

Answering Service (717) 354-5561

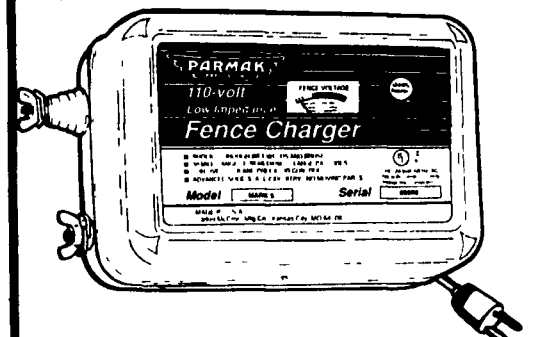
Beiler Hydraulics

252 North Shirk Road
New Holland, PA 17557
717-354-6066
Atglen, Pa. 19310
610-593-2981

Free UPS In 48 Continental States



PARMAK MULTI-POWER MARK 5 Low Impedance (Model Mark 5) 110-20-V. AC Operation



Totally redesigned for the 90's. Low impedance for medium to large pastures - single or multi-wire high tensile fence. Advanced solid state circuitry featuring Parmak's exclusive built-in performance meter. Shocks through wet weeds and brush. Ideal for livestock or predator control. For indoor installation. Charges up to 30 miles of fence. UL listed

SALES AND SERVICE

PEQUEA BATTERIES

103B N. Ronks Rd., Ronks, PA 17572

717-687-0880

Distributor & Warranty Station For Parmak