

Liming For Weed Control

Liming agricultural soils is one of the cheapest ways to get more weed control from herbicides, according to Dr. Nathan L. Hartwig, assistant professor of weed science at the Pennsylvania State University.

Experiments by Dr. Hartwig and associates show that almost all herbicides work better on neutral soils than they do on acid soils. Control of fall panicum, for example, can be increased from 25 to 75 per cent by increasing soil pH from 5.5 to 6.5 with recommended rates of atrazine and simazine (Princep). Atrazine and cyanazine (Bladex) produce similar results.

The improved weed control and better utilization of nutrients at the higher pH

level resulted in about 20 bushel per acre increase in corn, Dr. Hartwig said recently. The value of this extra corn would be enough to pay for the lime and herbicide, he pointed out.

Other herbicide that also work best on limed soils with a pH close to neutral, pH of 7, are cyprazine (Outfox) and propazine (Milogard). Even herbicides such as alachlor (Lasso), and linuron (Lorox), both not affected drastically by low soil pH, seem to work best on neutral soils, he claimed.

In contrast, soil pH has little effect on herbicide activity on sandy or shaley soils with less than 1 per cent organic matter.

He said that quackgrass is one of the most widespread

and difficult weeds to control even under ideal conditions. Split applications of atrazine, or atrazine followed by a combination of atrazine and Princep - if fall panicum, witchgrass, or crabgrass are present - is the only effective method of controlling quackgrass at the moment, he affirmed.

Since both atrazine and Princep are affected by soil pH, quackgrass control weakens as soon as the pH drops below 7.5 on silt and clay loam soils, or soils with more than 1 per cent organic matter.

"Although quackgrass control may not be good on heavy soils when the pH drops to 6.0 or below, we have no alternative to the atrazine-Princep spray program," Dr. Hartwig stated.

"We have discovered that if the second treatment of atrazine or atrazine-Princep is applied post-emergence with oil after the quackgrass has 8 to 10 inches of new growth, we get much better control on acid soils. Control still doesn't measure up to that obtained on neutral soil," he added.

When the herbicide is applied directly to quackgrass foliage with oil, there is some uptake through the leaves and the soil effect is somewhat bypassed, he noted. As the soil pH is raised closer to neutral, there is less advantage of post-treatments over pre-emergence treatments.

Support Price for Honey is Announced

Purchase rates for the 1975 crop of honey will average 25.5 cents per pound, 4.9 cents more than in 1974, according to B. Snively Garber Chairman of Lancaster County Agricultural Stabilization and Conservation Committee.

The 1975 level represents 60.1 percent of the 1975 adjusted parity price of 42.4 cents per pound.

The Commodity Credit Corporation (CCC) will offer to purchase 1975-crop honey stored in eligible containers, on or off farms. Producers, or cooperative marketing associations on behalf of producers, may offer eligible honey to CCC for purchase in the form of executed purchase agreements delivered to the applicable County Agricultural Stabilization and Conservation Service offices no later than March 31, 1976. Each agreement needs to specify the approximate quantity the producer of association desires to sell.

The 1975-crop purchase rates for extracted honey in 60-pound or larger containers, by color and glass, are as follows: Table Honey; White or Lighter 26.3 cents Per Pound; Extra Light Amber 25.3 cents Per Pound; Light Amber 24.3 cents Per Pound; Other Table and Non-Table Honey 22.3 cents Per Pound.

Disposition of any honey delivered to CCC by beekeepers will be determined at a later date.

The honey bee is vitally important to the U.S. economy in that it is a major pollinator of legume seeds and fruit and vegetable crops. About \$3.3 billion worth of agricultural crops are completely dependent on pollination by insects before crops can produce. Honey

bees pollinate an estimated 85 percent of this total. An additional \$4 billion worth of agricultural crops benefit to some extent from insect pollination.

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PUBLIC SALE

DAIRY HERD DISPERSAL
MONDAY, MAY 5,

12:30 P.M.

To be held at the Robert Keller Farm [Cashman Farm] located near Table Rock on the Gettysburg-Table Rock Road [Sale Sign Posted].

48 - GRADE HOLSTEINS - 48

Herd TB & Bangs tested, vaccinated, health charts. Herd consists of 20 - 1st calf heifers, 8 - 2nd calf cows, 10 - 3rd calf cows, 10 - 4th & 5th calf cows, 19 cows recently fresh and 14 to freshen soon. A nice young herd with size, good type and nice udders.

EQUIPMENT

New Idea No. 217 PTO spreader, New Holland 401 crimper, J.D. 8' disc, Oliver No. 5440 3-14" plow, single roll cultipacker, 19' tractor harrow, saw mandrel for J.D., scrape blade, 10 & 4 can milk coolers.

Robert A. Keller, Owner
RD6, Gettysburg

TERMS—CASH

C. David Redding, Auctioneer
RD6, Gettysburg
Phone: 334-6941 - 334-6598

PUBLIC SALE

OF FARM EQUIPMENT
LIVESTOCK

SATURDAY, MAY 10, 1975

11:00 A.M.

On premises owned by Daniel Kreiser on Bordnerstown Rd. 1 1/2 miles Southeast of Bordnersville. Turn west off U.S. 72, just north of Jonestown State Police Barracks and drive two miles

Farmall M tractor recently overhauled with power pack, remote control and new tires in good condition; Farmall H tractor recently overhauled with power pack and remote control in good condition; McD. nine foot 990 hay binder, used one season; Badger manure spreader, like new; McD. two row mounted corn picker for H or M tractors; McD. front end mounted corn planter; McD. 16 disc grain drill; McD. flail chopper; McD. tractor disc; three section spring tooth harrow; Smoker elevator with motor; two wagons with dump and false ends; 16 foot flat bed wagon with sides and hay rack, (sides for kicker baler); McD. cultipacker; Oliver three bottom plow with radix plow, (bottom made up for hydraulic); McD. two bottom pull type plow on rubber.

Grass seeder for all tractors; pushers for H and M tractors, hill side latches; tractor wheels and tires; manure loader for H or M tractor; 1967 International dump truck; draw bar for H or M tractors; six can milk cooler; Surge and Universal milkers; yellow beacon light, head light; metal drums; scrap iron; heat houser for H or M tractors; Jewel stove; seed corn; baler twine; belts; coal Heatrola; oil burner; some dishes and other items.

LIVESTOCK

One Angus and one holstein feeders; four Landrace brood sows, two with young balance bred; two Landrace service boars; two feeder pigs.

Sale Due To Illness In Family.

Conditions by:

Jonas D. Kreiser

Roy I. Ebersole & Son, Auctioneers
Swope & Lerch, Clerks

Lunch by Blue Mountain Trinity U.M. Church.



William Kulp

Kulp Appointed Manager

William C. Kulp has joined Pennfield Corporation as manager of Engineering Services. He is responsible for all product manufacturing and industrial engineering.

Prior to his new position, Kulp was manager of Industrial Engineering for Campbell Chain Company in York. Before that, he was an area industrial engineer with Armstrong, Lancaster.

The registered Pennsylvania professional engineer holds a B.S. degree in Industrial Engineering from Penn State University. He is a member of the American Institute of Industrial Engineers and the York Industrial Management Club.

Kulp is a native of West Lawn, a suburb of Reading. He presently resides on Brookwood Drive, York, with his wife and four children.



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