

Corn Talk News

RESEARCH UPDATE



CORN TALK NEWS

PENNSYLVANIA MASTER CORN GROWERS ASSOC., INC.

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Option 3: Apply Buctril at 1 to 1.5 pint per acre to lambsquarters less than 6 inches tall. Buctril is fair on velvetleaf, but

Pluses
Cost
Low drift

poor on pigweed. Buctril costs between \$7 and \$10 per acre. Buctril is also available in a premix called Buctril + atrazine.

Minuses
Slight injury risk
Additional trip?
Weak on pigweed/no grass/nutsedge

Velvetleaf

Option 1: Apply 1 to 1.6 qt atrazine plus 1.5 to 3 qt Bladex per acre preemergence. This combination is effective on most annual grasses and broadleaves with the exception of triazine-resistant weeds. The cost of this program is \$8 to 25

Pluses
Grass & broadleaf
Single trip

per acre. Use the higher rates of atrazine if heavy broadleaf weed pressure or quackgrass is a problem. Cool wet growing conditions early in the season favor Bladex injury. Atrazine plus Bladex is available in the premix Extrazine II.

Minuses
Slight injury risk
Favors triazine resistance
atrazine restrictions

Option 2: Apply 2.4 to 3.6 pint Prowl 3.3 E plus 1.25 to 1.6 qt atrazine before corn reaches the 4-leaf stage. This combination will control a number of annual broadleaves and may be

Pluses
Cost
Residual control
Grass & broadleaf

sufficient for control of lighter grass populations. The cost of this treatment will range from \$10 to 18 per acre. See the precautions under Prowl for lambsquarters above.

Minuses
Injury risk
Application timing
May need additional grass/nutsedge
atrazine restrictions

Kids' Lives Depend On Safety Awareness

DENVER, Colo. — Quality time has a special meaning for farm families.

"The most important time you can spend with your children is when you train them to do a farm task and then supervise them the first time they do it alone," said Lynne Yontz, program coordinator for Farm Safety 4 Just Kids.

Yontz told a break-out session at the National Corn Growers Association's Corn Classic that 5,000 farm children are seriously injured each year and 300 are killed in preventable on-farm accidents. The session, sponsored by ICI Seeds, was offered to the nearly 2,000 Corn Classic attendees.

"Two-thirds of the fatalities occur to children under thirteen, but even more shocking," said Yontz, "is the fact that half of the deaths are children under five."

The most critical ages are four, when curious and fearless children are first allowed outside alone, and 14, when teena-

gers, especially boys, are first given solo farm tasks.

She listed, in order of danger, the most common farm hazards. They are tractors with extra riders, keys left in the ignition, no ROPs (roll-over protection) and no seat belts; augers and power takeoffs when unshielded and unattended; livestock; removal of protective shields on engines; lack of supervision; children too young for assigned tasks; and exposure to hazardous materials, especially insecticides.

In general, Yontz urged attendees to undertake family or community education programs which would cover the following rules:

- No Seat, No Rider
- No play on idle machinery
- Leave implements in the down position
- Put the brakes on and take the keys out
- Leave the PTO in neutral
- Replace protective shields after repairs

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Option 3: Apply one of the following products post-emergence to corn. Apply 2 to 3 pint per acre Buctril + atrazine or 2.5 to 3.5 pint Laddok up until corn is 12 inches tall. Include crop oil concentrate at 1 qt per acre or nitrogen fertilizer solution at 1 gal per acre with

Pluses
Broadleaves
Laddok controls nutsedge

Triazine-Resistant Pigweed

Option 1: Use Prowl herbicide delayed preemergence or early postemergence in conventional, reduced or no-till corn. Apply 2.4 to 3.6 pint Prowl 3.3 E per acre a few days after planting up until the corn reaches the 4-leaf stage.

Prowl will also help on pigweed, velvetleaf, and most

Pluses
Cost
Residual control
Grass & some broadleaf

Option 2: Apply Banvel early postemergence in corn. Apply 1 pint/acre from spike to the 5-leaf stage of corn. Banvel is also active on most annual broadleaves, plus it will suppress broadleaf perennials. Including a nonionic surfactant at 0.125 percent will increase activity, but may also increase the potential for injury. Do not

Pluses
Cost
Other broadleaves

Option 3: Apply 0.38 ounces Beacon plus 0.125 to 0.25 pint Banvel or 2,4-D postemergence in corn. Apply to corn less than 10 inches tall for greatest crop

Pluses
Broad-spectrum
Grass suppression

Laddok. As an alternative, apply 2 to 3.5 pint Marksman up to the 5-leaf stage of corn. All three products are good on velvetleaf and will control most other annual broadleaves. The cost of each product will range from \$6 to \$12 per acre.

Minuses
Slight injury risk
Additional trip?
No grass
atrazine restrictions

annual grasses. Prowl by itself will not control emerged weeds. The cost of Prowl is approximately \$8 to \$12 per acre. To avoid injury problems with Prowl, do not apply at planting. Delay application until corn reaches the spike stage. Also, be sure the seed furrow is completely closed before applying.

Minuses
Injury risk
Application timing
May need additional grass/nutsedge/broadleaf

apply 1 pint to corn greater than 8 inches tall and do not use preemergence on soils with less than 2 percent organic matter or on coarse-textured soils. The one pint rate of Banvel costs about \$8 per acre. Dicamba, the active ingredient in Banvel, is also available in the premix Marksman (dicamba + atrazine) and in Clarity.

Minuses
Slight injury risk
Additional trip
Vapor drift
No grass/nutsedge

safety and weed activity. Include a nonionic surfactant at 1 quart per 100 gal. The cost of this program will be \$11 to \$15 per acre.

Minuses
Slight injury risk
Additional trip
Vapor drift (Turn to Page 22)

PMCGA Supporters Make Conference Possible

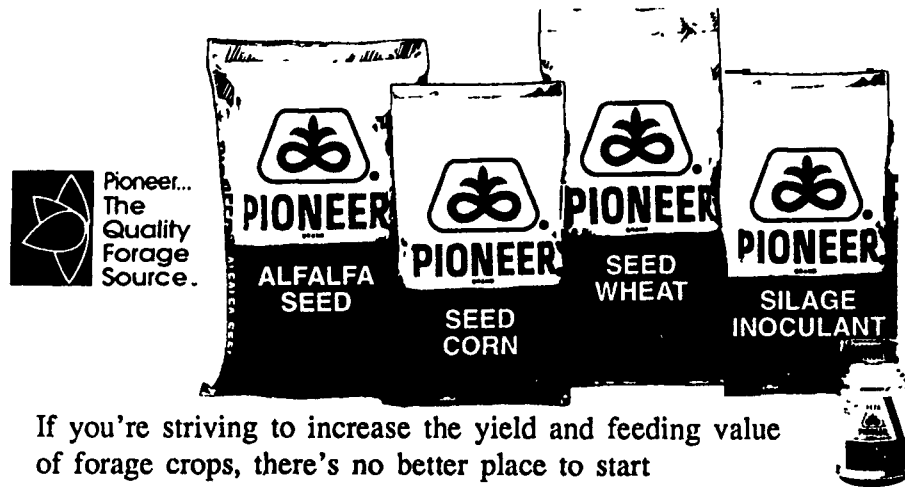
The 1994 Pennsylvania Corn Conference is now history. Plenty of good fellowship, learning and recognition of top producers took place. Our conference is made possible in part by all of the industry supporters who were exhibitors and also those who made special contributions. We'd like to thank all of those who exhibited at the conference this year for their support. We'd also like to thank those groups who made contributions to the program in other ways.

First, we appreciate the coffee and donuts that were supplied by Hoffman Seeds—they were a welcome addition to the morning program. We'd also like to thank the Ohio Corn Growers Association for sharing some of the expenses for their executive director to meet with us and Pioneer Hi-bred and Hoffman Seeds for sponsoring two excellent speakers.

Without this industry support, it would be more difficult to bring in the quality speakers that our Corn Conference is known for.



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