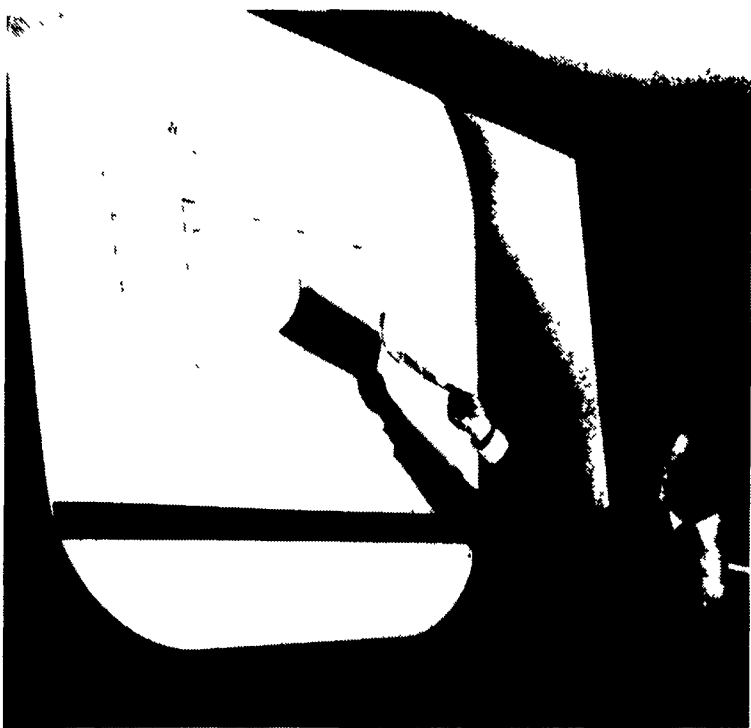


# Farmers Should Consider Environment

(Continued from Page A1)



Scott A. Harrison, Penn State, looks at agriculture and what farmers can do to insure water quality at the tillage conference.

A unique "Agritrends" on-line satellite teleconference, in which members of the conference spoke via satellite to ag economists from Ohio State, brought some straightforward answers to what farmers may face in the industry in the coming years.

A special panel on environmental concerns touched on some of the aspects of the 1990 Farm Bill. Panels on nitrate leaching losses from corn fields, agricultural water quality, and wetland regulations brought home some of the concerns farmers must learn to face.

### Exact data

Presented by Richard H. Fox, Penn State Field Crop Production Systems, Dept. of Agronomy, the nitrate leaching panel emphasized some of the headway that the college has made in providing exact data on nitrate leaching.

Fox touched upon some of the results of a special 1983 study by the League of Women Voters. This \$25 million study underlined the need for more information on

(Turn to Page A31)



Barry Isaacs, USDA Soil Conservation Service, speaks about new wetland regulations and how they will affect agriculture at the tillage conference in Camp Hill.

## The Latest In Chemical Weed Control

**DR. RONALD L. RITTER**  
Extension Weed Control Specialist

Department Of Agronomy  
University Of Maryland

**Editor's Note:** These new herbicide products were discussed at the 1990 Mid-Atlantic Conservation Tillage Conference.

A lot of interest and enthusiasm has been generated over the past few years by farmers and agribusiness people regarding the use of some new crop protection

chemicals.

More specifically, the synthesis, development, and introduction of the families of herbicide compounds known as the sulfonylureas and imidazolinones have created a great sense of optimism in the farming community as they pertain to combating their weed problems.

Many of these new materials labeled for use in the mid-Atlantic region are outlined in Table 1.

Table 1. New Herbicides Labeled For Use In The Mid-Atlantic Region

Sulfonylureas	Imidazolinones
Accent	Pursuit
Beacon	Scepter
Canopy	
Classic	
Gemini	
Harmony Extra	
Pinnacle	

Other products such as Command, Assure, and Reflex, all labeled for use in soybeans, have been recently introduced as well. Changes have also occurred with existing products. For instance,

paraquat formulations have changed three times, while multiple glyphosate formulations are offered for sale. These are outlined in Table 2.

Table 2. Comparisons Of Paraquat And Glyphosate Formulations

Product	Paraquat Formulations	
	Formulation (lbs. ai/gal)	lbs. ai/pt
Paraquat/Gramoxone	2.0	1 pt = 0.25
Gramoxone Super	1.5	1 pt = 0.187
Gramoxone Extra	2.5	1 pt = 0.132

Product	Glyphosate Formulations	
	Ingredients	lbs. ai/gal
Bronco	Roundup + Lasso	1.4 + 2.6
Honcho	Roundup - Surfactant	4.0
Landmaster II	Roundup + 2,4-D	1.2 + 1.0
Ranger	Roundup + Surfactant	2.7
Roundup	Roundup + Surfactant	4.0

Finally, the chemical industry has also made changes in container design by offering bulk and mini-bulk packaging, new product formulations such as the numerous dry flowable products now available, and even water soluble packets which Beacon is designed

as. Coupled with this are the numerous package-mixes now available, which eliminate the need to buy two products. Some recent package-mixes made available for use in corn and soybeans are outlined in Table 3.

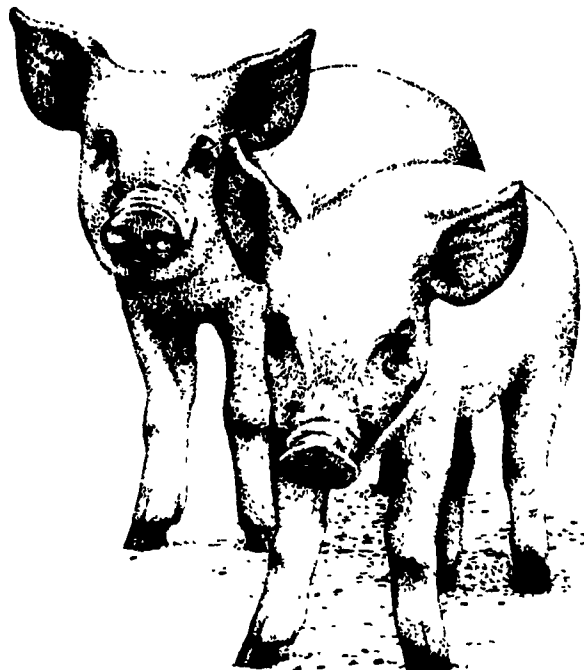
Table 3. New Package-Mix Herbicides Available For Use In Corn And Soybeans.

Product Name	CORN	
	Ingredients	
Bicep 6L	Dual + Aatrex	
Bullet	Lasso MT + Atrazine	
Extrazine II	Bladex + Atrazine	
Laddok	Basagran + Atrazine	
Lariat	Lasso EC + Atrazine	
Marksman	Banvel + Atrazine	
Sutazine +	Sutan + + Atrazine	

Product Name	SOYBEANS	
	Ingredients	
Canopy	Classic + Lexone	
Commence	Command + Treflan	
Gemini	Classic + Lorox	
Passport	Pursuit + Trifluralin	
Pursuit Plus	Prowl + Pursuit	
Salute	Sencor + Treflan	
Squadron	Prowl + Scepter	
Storm	Basagran + Blazer	
Tri-Scept	Scepter + Trifluralin	
Turbo	Sencor + Dual	

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