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INSECT, PLANT DISEASE, & WEED SCIENCE NEWS [No. 87-3] [March 27, 1987]

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**INSECT
PLANT DISEASE
WEED SCIENCE**

NEWS

DEPARTMENT OF AGRONOMY (WEED SCIENCE) UNIVERSITY OF NEBRASKA-LINCOLN,
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87-3
March 27, 1987

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New Herbicide Update

Many new herbicides have entered the market place for 1987. Some are combinations of familiar products, others are new. An overview of the new herbicides follows:

Corn-Sorghum Herbicides

Atrabute⁺. A combination of 1.2 lbs atrazine plus 4.8 lbs butylate (Genate⁺) for PPI use in corn. Similar to Sutazine and Rhino. Griffin.

Atrabute⁺ II. 1.7 lbs atrazine plus 4.3 lbs butylate for corn growers that want a bit more broadleaf weed control. Griffin.

Conquest. A combination of 3 lbs cyanazine (Bladex) plus 1 lb atrazine. The sister product Extrazine has 2.7 lbs cyanazine and 1.3 lbs atrazine. DuPont.

Laddok. A combination of 1.7 lbs atrazine plus 1.7 lbs bentazon (Basagran) for postemergence broadleaf weed control in corn and grain sorghum. BASF.

Marksman is a combination of 1.1 lbs dicamba (Banvel) and 2.1 lbs atrazine for postemergence use in corn. Sandoz.

Rhino. A combination of 1.2 lbs atrazine plus 4.8 lbs butylate for PPI use in corn. Similar to Sutazine and Atribute⁺. PPG.

Tandem (tridiphane). A postemergence herbicide used in combination with atrazine or Bladex for weed control in corn. Dow.

Soybean Herbicides - One Ingredient

Classic (chlorimuron ethyl). Used postemergence for broadleaf weeds in soybeans on soils with a pH of 6.8 or less. DuPont.

Cobra (lactofen). Provides postemergence broadleaf weed control somewhat similar to Blazer and Tackle. Registration pending. PPG.

Command (FMC 57020). A preplant incorporated herbicide for grass and broadleaf weed control in soybeans. Outstanding on velvetleaf. FMC.

Reflex (fomesofen). Used postemergence for broadleaf weeds. Similar to Blazer. Registration pending. ICI.

Scepter (imazaquin). Used ppi, pre, and postemergence for broadleaf weed control. American Cyanamid.

Tackle (acifluorfen). Used postemergence for broadleaf weeds. Similar to Blazer. Rhone-Poulenc.

Whip 1EC (fenoxaprop). A postemergence grass herbicide with characteristics similar to Poast and Fusilade. Hoechst-Roussel.



Soybean Herbicides - Combinations

Canopy. 1 part chlorimuron ethyl (Classic) and 6 parts metribuzin (Lexone) for preemergence applications. DuPont.

Commence. 3.0 lbs trifluralin (Treflan) and 2.25 lbs FMC 57020 (Command) for preplant incorporated applications. Elanco and FMC.

Gemini. 1 part chlorimuron ethyl (Classic) and 12 parts linuron (Lorox) for preemergence applications. DuPont.

Lorox Plus. 1 part chlorimuron ethyl (Classic) and 16 parts linuron (Lorox) for preemergence applications. DuPont.

Preview. 1 part chlorimuron ethyl (Classic) plus 10 parts metribuzin (Lexone) for preemergence applications. DuPont.

Salute 4EC. 1.33 lbs metribuzin (Sencor) plus 2.67 lbs trifluralin (Treflan) for preplant incorporated use. Mobay.

Squadron. 6 parts pendimethalin (Prowl) with 1 part imazaquin (Scepter) for preplant incorporated or surface mixed applications. American Cyanamid.

Turbo 8EC. 6.55 lbs metolachlor (Dual) plus 1.45 lbs metribuzin (Sencor) for soil application. Mobay.

Small Grain

Ally. One of the new generation of sulfonyl urea herbicides for broadleaf weed control in small grain. 3 to 6 week residual compared to 6 to 18 months for Glean. DuPont.

Assert. A wild oat herbicide for use in wheat. Does not control downy brome, hairy chess or cheat. American Cyanamid.

Express. A short residual sulfonyl urea herbicide with uses similar to Ally and Glean. Registration pending. DuPont.

Harmony. Chemistry and uses similar to Glean and Ally but with shorter residual activity than Glean. Registration pending. DuPont.

Hoelon (dichlofop) was labeled in 1986 for downy brome and Japanese brome control in winter wheat. It is used prior to planting at 2 to 3.33 pints per acre and should be incorporated into the soil within 48 hours after application. Extensive research has not been done in Nebraska. Hoechst-Roussel.

Additional Herbicides

Cyclone (paraquat). Cyclone contains 2.0 lbs active ingredient per gallon and is registered for fallow uses. ICI Americas.

Gramoxone Super (paraquat) is the surviving product in the paraquat realignment involving ICI Americas and Chevron-Ortho. The new Gramoxone Super contains 1.5 lbs active ingredient per gallon. ICI Americas.

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