



(Continued from Page 26)

PSU research, Authority has provided consistent control of several broadleaves, including nightshade. Both Authority and chlorimuron can injure soybeans especially in course textured soils or due to early sea-

son stress (e.g., excessive rainfall), so be sure to follow all label guidelines.

FirstRate 84WDG (Dow AgroSciences) contains the active ingredient cloransulam-methyl and is an ALS inhibitor herbicide. It is a broadleaf her-

bicide that controls pigweed, velvetleaf, ragweed, cocklebur, and morningglory when applied either pre or post-emergence. FirstRate received EPA registered in the fall of 1997.

Matador 0.88E (FMC) is a post-grass herbicide that contains the same active ingredient as Assure II. FMC reached an agreement with DuPont to market quizalofop under the name of Matador. Application rates and other restrictions are very similar to Assure II.

Skirmish 25DF (FMC) is a postemergence broadleaf herbicide that contains the same active ingredient as Classic. FMC reached an agreement with DuPont to market chlor-

imuron under the name of Skirmish. Application rates and other restrictions are very similar to Classic herbicide.

Steel 2.59E (Cyanamid) is a prepackaged preemergence herbicide containing pendimethalin (Prowl), imazethapyr (Pursuit), and imazaquin (Scepter). It control many broadleaf and grassy weeds commonly found in Pennsylvania. The application rate for Steel in all tillage systems is 3 pints per acre. Be aware of crop rotation restrictions.

Pending EPA Registration: Authority OnePass (FMC) is a preemergent herbicide composed of Authority (sulfentrazone) and Command (clomazone). This product provides

control of many annual grasses and broadleaves. FMC is working at improving the formulation of this product, so it should be marketed within the next year or two.

Expert 75WDG (Novartis) (CGA277476; oxasulfuron) is a postemergence experimental sulfonylurea (ALS inhibitor) herbicide. It provides control of many annual broadleaf weeds in soybeans. Expert is short-lived in the soil and should not interfere with crop rotations. Novartis awaits EPA registration of Expert, but expects to market it for the 1999 season.

**Corn And Soybean Updates**

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**New and Future Products:**  
Labeled:  
Liberty 1.67L (AgrEvo) contains the active ingredient glufosinate. It is a broad spectrum herbicide (Roundup/Gramoxone-like) for use on Liberty Link or glufosinate-resistant corn and soybean varieties only. This program provides broad spectrum control of annual broadleaves and grasses. Tank mixtures and sequential applications may be required, especially in corn. Liberty Link corn and soybeans received registration from EPA in January 1997. Liberty Link soybeans should be available in 1998.

Python 80WDG (Dow AgroSciences) contains the single active ingredient, flumetsulam (Broadstrike), which is an ALS-inhibitor herbicide. Python WDG provides preemergent control of common broadleaf weeds. It will mainly be used as a spike in tank mixes to provide control of triazine-resistant lambsquarters and pigweed, and to enhance the control of velvetleaf and smartweed. Apply Python WDG at 0.89 to 1.33 ounces per acre. Avoid using Python pre when cool, wet early season corn stress is a concern. Consider weed resistance management strategies that include rotating away from ALS-inhibitor herbicides. Python has EPA approval and will be marketed in 1998.

**Pending EPA Registration:**  
Action (Novartis), coded as CGA248757 (fluthiacet-methyl), is a postemergence contact-type herbicide that provides excellent control of velvetleaf, but also has activity on some other broadleaves. Action will most likely be tank mixed with other products or be sold as a premix to increase the weed spectrum. Novartis awaits EPA approval for Action but expects full marketing by the 1999 season.

Axiom 68DF (Bayer) contains the active ingredients thiafluamide + Sencor, and is a preapplied product that will be used in corn and soybeans.

Thiafluamide is similar to Dual, Lasso, etc., and is applied at low use rates (0.5 pounds per acre). Axiom will control foxtail, crabgrass, barnyardgrass, and panicum. Axiom does not have EPA registration yet.

Magnum (Novartis) is a new formulation of metolachlor that will be incorporated into the Dual and Bicep line of products. It is a more active form of metolachlor, therefore less product is required per acre (e.g., 1.26 pint Magnum = 2 pints Dual II). These new Dual Magnum and Bicep Magnum products also will contain the corn safener. It controls the same weed spectrum as previous Duals or Biceps. The Magnum herbicides will not be marketed in the Mid-Atlantic region until at least the 1999 season.

