New Herbicides for 2013 and Label Updates

The active ingredient pyroxasulfone is a herbicide used to control most annual grasses, waterhemp and other small seeded broadleaves. The action of this chemistry is similar to that of acetamides. The length of control is dependent upon rate used. Zidua acts to inhibit very long chain fatty acid synthesis as a Group 15 (WSSA)/Group K3 (HRAC) herbicide. It is a root-and-shoot growth inhibitor that controls susceptible germinating seedlings before or soon after they emerge from the soil.

This active ingredient is a stand alone or in a premix of the following products:

**Zidua (BASF)**, pyroxasulfone, is labeled for pre-plant or pre-emergence use in all types of corn – field, seed, sweet, and popcorn. Zidua should generally be mixed with another herbicide that has broadleaf activity regardless of whether it is a pre-emergence or pre-emergence plus post-emergence program. Zidua can also be applied early post-emergence, but should be mixed with other herbicides that control emerged weeds.

**Anthem (FMC)** is a premix of pyroxasulfone and fluthiacet-methyl (Cadet) for pre-plant/pre-emergence use on corn. Anthem ATZ, a premix of pyroxasulfone, atrazine, and should be registered in the near future. I have not seen a label for either product at the time.

**Fierce (Valent)** is a premix of pyroxasulfone and flumioxazin (Valor) for pre-plant use in field corn. Fierce is to be applied at least 7 days before corn planting, and can only be used in no-tillage conditions. Fierce should be available for use in soybeans in the near future, along with Fierce XLT, which is essentially a premix of pyroxasulfone and Valor XLT. Also, I have not seen a label at this time.

Other Products:

**Lexar and Lumax** are now Lexar EZ and Lumax EZ. Camix, the premix of mesotrione and s-metolachlor, has been renamed Zemax.

**Instigate**, a mixture of mesotrione and rimsulfuron, is labeled for pre-plant, pre-emergence, and early post-emergence use in field corn.

**Intimidator** is a premix of s-metolachlor, fomesafen (Reflex), and metribuzin for pre-plant or pre-emergence use in soybeans.

**Matador** is a premix of metolachlor, imazethapyr (Pursuit), and metribuzin for pre-plant or pre-emergence use in soybeans.

**Sharpen** can now be applied at rates up to 2 oz/A in soybean burndown programs, and higher rates can improve burndown and residual broadleaf weed control. As Sharpen rates increase above 1 oz/A, the minimum interval between application and soybean planting increases. For soils with more than 2% organic matter, the minimum delay between Sharpen application and planting: 1 oz – anytime before emergence; 1.5 oz – 14 days; 2 oz – 30 days.
Monday, January 14—Corn Growers Meeting. Ramada Inn, St. Joseph. Registration begins at 8:30AM. Topics include marketing, weather, cover crops, corn cost and returns. Lunch sponsored by local Ag business.

Wednesday, January 16 – Private Applicator Pesticide Training from 8-10AM (Fee required for manual $12); Buchanan County Ag Update will Address Drought Topics to Help Beef Producers 10AM to Noon, Buchanan County Extension Center, St Joseph; RSVP to 816-279-1691. Free

Thursday, January 17 – Private Applicator Pesticide Training from 8-10AM (Fee required for manual $12); Andrew County Ag Update will Address Drought Topics to Help the Beef Producers 10AM to Noon, Clasbey Building, Savannah; RSVP to 816-324-3147. Free

Friday, January 18 – Private Applicator Pesticide Training from 8-10AM (Fee required for manual $12); DeKalb County Ag Update will Address Drought Topics to Help Beef and Row Crop Producers 10AM to 3PM, DeKalb County Courthouse, Maysville; RSVP to 660-446-3724. (Fee $10 to help with meal and expenses)

Friday, January 25 – Private Applicator Pesticide Training from 8-10AM (Fee required for manual $12); Clinton County Ag Update will Address Drought Topics to Help Beef and Row Crop Producers 10AM to 3PM, Youth Building, Plattsburg; RSVP to 816-539-3765. (Fee $10 to help with meal and expenses)

Tuesday, January 29 – Private Applicator Pesticide Training from 8-10AM (Fee required for manual $12); Holt County Ag Update will Address Drought Topics to Help Beef and Row Crop Producers 10AM to 3PM, TJ Hall Building, Oregon; RSVP to 660-446-3724. (Fee $10 to help with meal and expenses)

Wednesday, January 30 – Private Applicator Pesticide Training from 8-10AM (Fee required for manual $12); Atchison County Ag Update will Address Drought Topics to Help Beef and Row Crop Producers 10AM to 3PM, Atchison County Extension Center, Rockport; RSVP to 660-744-6231. (Fee $10 to help with meal and expenses)

Friday, February 1 – Private Applicator Pesticide Training from 8-10AM (Fee required for manual $12); Nodaway County Ag Update will Address Drought Topics to Help Beef and Row Crop Producers 10AM to 3PM, Nodaway County Administration Center, Maryville; RSVP to 660-582-8101. (Fee $10 to help with meal and expenses)

**If you would like to be added to our electronic mailing list, please contact Charmaine Flint, Holt County Secretary at 660-446-3724.**

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