

## 2016 Soybean Herbicides and Overlapping Residuals

Last year we watched some soybean fields turn from being clean to hairy patches of water hemp in the span of weeks. We have been successful at controlling weeds with a strong pre-emergence and a strong post-emergence herbicide program. However the late summer months is where we see weeds come back with little to nothing left we can do to get the fields clean again.

This year you will be hearing a lot about overlapping residuals and it is likely our best tool for fighting those late emerging weeds. It is important that a strong pre-emergence and post-emergence chemical program is still used, but we will also be adding a post residual mode of action to the mix. These products are from the herbicide residual group 15, products such as Dual Magnum®, Outlook®, Warrant®, Warrant Ultra®, Zidua®,) These post applied residuals are for controlling late-season water hemp.

All of these products act similar, none of these will kill growing weeds but rather stop them from growing. Let's take a look at one of these products. Warrant Ultra is a new herbicide mix from Monsanto. It contains Acetochlor and Fomosafen. Both of these chemicals are not new to us. The Acetochlor is the same chemical that is in Harness, used in some corn pre-emerge programs, however do not spray Harness on your Soybeans! Warrant contains a safener to protect the soybeans from crop damage. The Fomosafen is the same chemical found in Flexstar.

Warrant Ultra at the rate of 50oz/ac contains 16 ounces of Flexstar and 1.30 pints of Acetochlor. This mix does not contain Roundup and it should be added as needed. Here is an example chemical program.

Authority MTZ	12	oz/ac
WarrantUltra	50	oz/ac
WeatherMax	32	oz/ac
SelectMax	6	oz/ac
AMS	2	lb/ac

At Mickelson Seeds we have put together a variety of chemical programs for both corn and soybeans. Most of these will include overlapping residuals. Adding these products to the mix in our post-emerge application takes some careful consideration, especially when concerning proper adjuvants and timing. Give us a call and we would be happy to go over what chemical options would work best for your farm.

Dave Mickelson  
Seed & Chemical Specialist  
515-571-6599  
[Davidm@lvcta.com](mailto:Davidm@lvcta.com)

Alex Gascho C.C.A  
Agronomy Sales Specialist  
515-571-0313  
[Mickelsonseedsalex@gmail.com](mailto:Mickelsonseedsalex@gmail.com)

