

County Agent News
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Herbicide Resistant

As spring planting is underway and many producers are doing a pre-plant or pre-emergence burndown with glyphosate it is important to think about herbicide resistance and herbicide tolerance. There are many weeds which have always had some tolerance to glyphosate and if you have not been tank mixing to improve control of plants like dandelion you have almost surely seen increases in those plant populations. In recent years we have begun to see resistance showing up in previously controlled weeds like kochia. Tank mixes and herbicide rotations where possible are very important in controlling weed resistance.



Cool Weather Affects Herbicides

While it is important to get started planting in spite of the cool weather, remember that cool temperatures can affect the efficacy of your burndown herbicides. Most herbicide applications on emerged weeds have maximum control when temperatures are between 65F and 85F. Glyphosate applications at lower temperatures can still be effective on most weeds although plants will be slower to react and die. If weeds are present with partial resistance cool temperatures can increase the likelihood of their survival.

Be Cautious With Adjuvants and Additives

Adding AMS is a must with glyphosate but COCs can reduce glyphosate effectiveness. If tank mixing with products requiring a COC or MSO consider MSO based 'high surfactant oil concentrate' adjuvants (HSMOC) which contain a higher concentration of surfactant than COC and MSO and enhance oilsoluble herbicides without decreasing glyphosate activity.