

News Column for use week of 3/22/2021  
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## **Proper Timing for Crabgrass Preventers**

As the weather starts to warm up, it is time to think about preparing your lawn for the summer months. Did you have a problem with crabgrass last year? If so, it is time to start planning what crabgrass preventer you are going to use. Crabgrass preventer is another name for preemergence herbicides that prevent crabgrass seeds from developing into mature plants. Preemergence herbicides do not kill the weed seed. However, they kill the young plant after it germinates. Therefore, they do not prevent germination but prevent the plant from emerging. Crabgrass preventers are just that-preventers. With a few exceptions, they do not affect existing crabgrass plants. Therefore, preventers must be applied before germination.

Additionally, preventers do not last forever once they are applied. Microorganisms and natural processes begin to gradually break down the herbicide soon after it is applied. If some products are applied too early, they may have lost their strength by the time they are needed. Most crabgrass preventers are ineffective after about 60 days, but there is considerable variation among products.

For most of Kansas, crabgrass typically begins to germinate around May 1 or a little later depending on the spring weather patterns. April 15 is normally a good target date for applying preventer because it gives the active ingredients time to disperse in the soil before crabgrass germination starts. An even better way to tell when it is time to apply your preventer is with the bloom of ornamental plants. The Eastern Redbud tree is a good choice for this purpose. When the trees in your area approach full bloom, apply crabgrass preventer. Depending on what chemical you decide to put down you may have to do a follow-up application. Products that do require a follow-up application about 8 weeks later include Pendimethalin (Scotts Halts) and Team (Hi-Yield Crabgrass Control). If you are using Dimension or Barricade, a follow-up will not be needed.

Dimension and Barricade are the only two products that give season-long control of crabgrass from a single application. They can be applied much earlier than April 15 and still have sufficient residual strength to last the season. Barricade can even be applied in the fall for crabgrass control the next season.

Dimension can be applied as early as March 1, because of the added flexibility in timing, these products are favorites of lawn care companies who have many customers to service in the spring. Though Dimension is usually not applied as early as Barricade, it is the best choice if it must be applied later than recommended. It is the exception to the rule that preemergence herbicides do not kill existing weeds. Dimension can kill crabgrass if it is young (two-to-three-leaf stage). Dimension is also the best choice if treating a lawn that was planted late last fall. Normally a preemergence herbicide is not recommended unless the lawn has been mowed two to four times, but Dimension is kind to young tall fescue, perennial ryegrass, and Kentucky bluegrass seedlings. However, read the label of the specific product you wish to use to ensure you are applying it correctly.

Products containing Dimension and Barricade may use the common name rather than the trade name. The common chemical name for Dimension is dithiopyr and for Barricade is prodiamine.

Remember, when using any pesticide, read the label and follow instructions carefully. It is recommended to apply crabgrass preventers before fertilizer so that the grass is not encouraged to put on too much growth too early. If you have any questions feel free to stop by or contact me in the Washington office, 785-325-2121 or [khatesohl@ksu.edu](mailto:khatesohl@ksu.edu).

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