

Flagging Your Soybean Fields

SITUATION

With so many different herbicide resistant trait platforms being used in soybeans today, it is critical that farmers know which field has each trait platform when it is time to make a herbicide application. A system has been developed that helps farmers and applicators identify fields that are safe for application and those which must be avoided to prevent unintentional damage to the producer's field or to adjacent crops. This flagging system is called "Flag Your Technology." It was developed by the University of Arkansas and is now a widely accepted practice to reduce the risk of a misapplication.



FACTORS TO CONSIDER

- Know what herbicide resistant soybean you have planted in each of your fields.
- Determine what color flag is associated with which herbicide resistant trait:
 - **White** - Technology is tolerant to glyphosate herbicides.
 - **Green** - Tolerant to glufosinate herbicide, Liberty®.
 - **Yellow** - Clearfield® rice, sunflowers, wheat, and canola which are tolerant to imidazolinone herbicides.
 - **Teal** - Tolerant to both 2, 4-D and FOP (ACCase) herbicides, or Enlist™ technology. The white stripes indicate tolerance to glyphosate, Roundup®. For Enlist™ cotton traits and soybean fields, a green flag should be added to denote tolerance to glufosinate herbicide, Liberty®.
 - **Black and White Checkered** - Tolerant to both dicamba, Engira® and Xtendimax®, and glyphosate, Roundup Ready® Xtend.
 - **Red** - Extreme caution required. Indicates conventional crops with no herbicide tolerant traits as well as sensitive production areas such as vegetables, vineyards, apiaries and organic production.
- Being aware of which technology is planted in a field will be critical in preventing either direct spray or unwanted drift to susceptible crops.



ACTION PLAN

1. Farmers need to place colored flags at field entrances and borders, with each flag color representing a different kind of technology. This will make herbicide applicators aware of which products are appropriate and safe to use on a specific field.
2. In fields with stacked technology, make sure to use multiple flags if necessary.
3. Make sure that the flags are visible.
4. When getting ready to spray, make sure to double check the flags in the field before spraying to assure that the chemical in the spray tank matches the traits in that field.

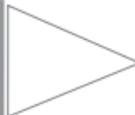
SUMMARY

It's important that farmers know which fields are safe for application and which fields are sensitive. Flagging your soybean fields is a quick and inexpensive method to prevent misapplication of pesticides. It not only helps to safe guard your crops, but it can also be a warning of areas that are sensitive to potential off-target drift.

RESOURCES

Flag The Technology - FSA2162 - University of Arkansas: <https://www.uaex.edu/publications/pdf/FSA-2162.pdf>

Legend Seeds green and checkered trait flags can be purchased on the Legend Seeds Online Clothing and Promo Store by visiting the promo items section at <https://store.rambow.com/legend/>

Color Codes			
<p>RED signifies conventional varieties with no herbicide technology traits. <i>Extreme caution.</i></p>		<p>TEAL indicates tolerance to both 2,4-D and FOP (ACCase) herbicides or the Enlist™ technology. The white stripes indicate tolerance to glyphosate. For Enlist™ cotton and soybean fields, a green flag should be added to denote tolerance to glufosinate (Liberty®).</p>	
<p>WHITE represents the Roundup Ready™ technology that is tolerant to glyphosate or Roundup® herbicide.</p>		<p>BLACK indicates tolerance to dicamba herbicide or Xtendimax®/Engenia®. The black and white checks indicate tolerance to both dicamba and glyphosate. A green flag should be added for cotton to denote glufosinate (Liberty®) tolerance.</p>	
<p>BRIGHT GREEN indicates the Liberty Link™ technology. This technology is tolerant to glufosinate (Liberty®) herbicide.</p>		<p>PURPLE indicates Provisia™ rice from BASF which will tolerate Provisia® herbicide. It will injure both conventional and Clearfield™ rice. In addition, Provisia™ rice will not tolerate Clearfield™ herbicides. The active ingredient in Provisia® is quizalofop, an ACCase inhibitor; however, this technology will not tolerate all ACCase inhibitors.</p>	
<p>BRIGHT YELLOW is the color chosen for Clearfield™ rice technology and STS™ soybeans.¹ A yellow flag in a grain sorghum field denotes tolerance to Inzen™ brand grain sorghum from DuPont. This sorghum will tolerate Zest® herbicide; its active ingredient is nicosulfuron.</p> <p><small>¹Although many herbicides are in the ALS family of herbicides, crops with this technology are not tolerant to all ALS herbicides.</small></p>			

