

# Report: Roundup-resistant weeds pose challenge for SD soybean farmers

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The discovery of South Dakota's first Roundup-resistant weed emphasizes the need for producers around the state to manage herbicides with care, according to a South Dakota State University Extension weed specialist. Glyphosate-resistant common ragweed was found in a soybean field in Charles Mix County this spring, and Extension specialist Mike Moechnig said the discovery has implications for producers across the state.

"We see resistance to Roundup, or glyphosate, becoming widespread in states such as Ohio, Indiana, and Illinois," he said. "In the worst situation, a common ragweed biotype has evolved resistance to all soybean post-emergence herbicides. We may see that in South Dakota some day, because it's already happening in other states."

Roundup-resistant weeds will pose the greatest challenge for soybean farmers, he said.

"It's something we want to look out for, especially in soybeans, because we just don't have very many alternative post-emergence broadleaf herbicide options," Moechnig said. "If glyphosate-resistant weed species become more common, it's the soybean crop that's going to be most problematic for controlling these biotypes."

Scouting, crop rotation, and herbicide application rotation are the best ways to combat resistant biotypes, Moechnig said.