

BRAKE® HERBICIDE: A NEW MODE OF ACTION FOR WEED CONTROL IN COTTON

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Abstract

Three new cotton preemergent herbicides, Brake F2, Brake F16, and Brake FX, should be commercially available for the 2016 growing season under a full Section 3 label. Each herbicide is a pre-mix combining the PDS-inhibitor fluridone with either the PPO-inhibitor fomesafen (Brake F2 and Brake F16) or the PSII inhibitor fluometuron (Brake FX). Fluridone has a mode of action not currently used for weed control in cotton helping to reduce the selection pressure caused by repeated use of the same herbicide family. Research and small-scale commercial use under Section 18 authorizations in the past three years have shown Brake products are very safe and provide excellent weed control, even under wet conditions. Grower experiences with the products have aided in optimizing Brake use in today's cropping system. Products will be discussed by region and research results will be summarized.