

FOMESAFEN + GLYPHOSATE: A NEW PREMIX FOR MANAGING GLYPHOSATE RESISTANT WEEDS IN SOYBEANS. Dain E. Bruns, Thomas H. Beckett, and Donald J. Porter, Research and Development Scientist, Research and Development Scientist, and Technical Brand Manager, Syngenta Crop Protection, Inc., Greensboro, NC 27409.

Fomesafen + glyphosate is a pre-package mixture of two proven soybean herbicides from Syngenta Crop Protection, Inc. This new mixture was developed for postemergence use in glyphosate tolerant soybean where the addition of a second mode of action could be useful in resistance management or where the presence of glyphosate resistant dicot weeds will require an additional tank mix partner for commercial control. Fomesafen + glyphosate premix controls velvetleaf, pigweed species, waterhemp species, common lambsquarters, common ragweed, jimsonweed, nightshade species, Pennsylvania smartweed, foxtail species, barnyardgrass, fall panicum, broadleaf signalgrass, and crabgrass, including glyphosate resistant Palmer amaranth and tall waterhemp. The fomesafen + glyphosate premix provides similar level of weed control as protoporphyrinogen oxidase herbicides mixed with glyphosate, however, the premix provides a significant improvement in soybean crop safety compared to the tank mixes. The market introduction of this new fomesafen + glyphosate premix will help sustain the glyphosate tolerant soybean production system.