

# COVER CROPS AS AN INTEGRATED MANAGEMENT STRATEGY AGAINST TROUBLESOME WEEDS IN KANSAS

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Cover crops are a promising integrated management strategy for Palmer amaranth and other troublesome weed species. Multiple factors contribute to weed control associated with cover crops. This presentation will review data describing the impact of cover crops on weed suppression in field crop production systems with an emphasis on Palmer amaranth and other troublesome species that occur in Kansas. Studies conducted between 2017 and 2020 in corn, soybean, and grain sorghum at various locations in Kansas will be discussed, as well as supporting data from other locations. When considered collectively, the data suggest that the primary factors influencing weed control by cover crops in Kansas are timing of weed emergence and cover crop biomass production.

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