

►► Weed Control in Edamame



Currently, there are very few herbicides labeled specifically for weed control in edamame, which is considered a vegetable bean by the EPA residue system. The University of Arkansas, Division of Agriculture is currently conducting research to determine herbicide efficacy, crop tolerance, and pesticide residue for several common herbicides labeled on conventional soybean. Dual MAGNUM® and Lorox DF® are labeled for PRE application, Treflan HFP® and Dual MAGNUM® are labeled for preplant incorporated applications and Select®, is labeled for POST grass control. In Arkansas, these herbicides have section 3 labels for weed control in edamame. Treflan HFP® should only be applied preplant incorporated prior to planting. Consult the soybean section of the MP44 for the correct procedures and recommended rates for these products.

In addition to these herbicides, the state of Arkansas, in cooperation with BASF and FMC, has approved 24(c) labels for the use of Spartan Charge®, Pursuit® and Raptor® for use in edamame. Spartan Charge® can be applied as part of a preplant burndown or PRE application for the control of broadleaf weeds. This application will provide control of morningglory and many other broadleaf weeds especially when used in a sequential program followed by Pursuit® or Raptor® herbicide applied POST. Pursuit® will provide both POST and residual control of various broadleaf weeds and grasses. Pursuit® can be used in combination with Dual MAGNUM® or Treflan HFP® applied PPI or tank-mixed with Dual MAGNUM® PRE. Raptor® will control both grass and broadleaf weeds when applied POST to edamame, but has very little residual activity.

A good program utilizing these 24(c) products in edamame would be Dual MAGNUM® + Spartan Charge® applied PRE followed by Pursuit® and Select® applied POST. Consult the full section 3 labels for the plant back intervals and other concerns on the use of these products. Due to the lack of options for edamame soybean herbicides use of these 24(c) labels is recommended in combination with previously labeled products for best results.

Product	Label	Application	Control	Mix options
Dual MAGNUM®	Sec. 3	<u>Preemergence</u>	Grass and broadleaf weeds	
Lorox DF®	Sec. 3	<u>Preemergence</u>	Grass and broadleaf weeds	
Treflan HFP®	Sec. 3	<u>Preplant incorporated</u>	Grass and broadleaf weeds	
Select®	Sec. 3	<u>Postemergence</u>	Grass weeds	
Spartan Charge®	24(c)	<u>Preplant burndown or preemergence</u>	Broadleaf weeds	Tank mix w/Dual MAGNUM®
Pursuit®	24(c)	<u>Postemergence</u>	Grass and broadleaf weeds (some residual)	Tank mix w/ Dual MAGNUM®: PRE and Dual MAGNUM® or Treflan HFP®: PPI
Raptor®	24(c)	<u>Postemergence</u>	Grass and broadleaf weeds (no residual)	