

# HERBICIDE CLASSIFICATION



Repeated use of herbicides with the same site of action can result in the development of herbicide-resistant weed populations.

## by MODE OF ACTION (MOA) (effect on plant growth)

This chart groups herbicides by their modes of action to assist you in selecting herbicides 1) to maintain greater diversity in herbicide use and 2) to rotate among effective herbicides with different sites of action to delay the development of herbicide resistance.

Main MOA classification table with columns: SITE-OF-ACTION GROUP, SITE OF ACTION, NUMBER OF RESISTANT WEED SPECIES IN U.S., CHEMICAL FAMILY, ACTIVE INGREDIENT, PRODUCT EXAMPLES. Includes sections for Lipid Synthesis Inhibitors, Amino Acid Synthesis Inhibitors, Growth Regulators, Photosynthesis Inhibitors, Nitrogen Metabolism Inhibitor, Pigment Inhibitors, Cell Membrane Disrupters, Seedling Root Growth Inhibitors, and Seedling Shoot Growth Inhibitors.

Logos for supporting organizations: Our Soy Checkoff, Corteva, BASF, Bayer, Syngenta, Cotton Incorporated, National Association of Wheat Growers, SunGard, NCGA, ASA, Valent, WSSA, Herbicide Resistance Action Committee, and FMC.

\*Indicates product is not registered for use at the time of printing. Check for a label and Material Safety Data Sheet at www.cdms.net to confirm status. This chart contains some restricted use pesticides. Always consult label prior to use.

## by PREMIX

This chart lists premix herbicides alphabetically by their trade names so you can identify the premix's component herbicides and their respective site-of-action groups. Refer to the Site of Action chart on the left for more information.

Table of premix herbicides with columns: COMPONENT, PREMIX, ACTIVE INGREDIENT, TRADE NAME, SITE-OF-ACTION GROUP. Lists various premix products like ACURON, AFFINITY BROADSPECT, AGILITY SG, and others.