

†

Herbicide site of action (WSSA Group)	Active ingredient	Weed species
Acetolactate synthase (ALS) inhibitors (WSSA 2)	bensulfuron-methyl bensulfuron-methyl bensulfuron-methyl sulfometuron-methyl bensulfuron-methyl bensulfuron-methyl sulfometuron-methyl	<i>Ammannia auriculata</i> (eared redstem) <i>Ammannia coccinea</i> (redstem) <i>Cyperus difformis</i> (smallflower umbrella sedge) <i>Lolium perenne</i> (perennial ryegrass) <i>Sagittaria/montevicensis</i> (California arrowhead) <i>Schoenplectus mucronatus</i> (ricefield bulrush) <i>Salsola tragus</i> (Russian thistle)
5-enol-pyruvyl-shikimate-3-phosphate synthase (EPSPS) inhibitor (WSSA 9)	glyphosate glyphosate glyphosate glyphosate glyphosate glyphosate glyphosate	<i>Amaranthus palmeri</i> (Palmer amaranth) <i>Conyza bonariensis</i> (hairy fleabane) <i>Conyza canadensis</i> (horseweed) <i>Echinochloa colona</i> (junglerice) <i>Lolium perenne ssp. multiflorum</i> (Italian ryegrass) <i>Lolium rigidum</i> (rigid ryegrass) <i>Poa annua</i> (Annual bluegrass)
Acetyl-CoA carboxylase (ACCase) inhibitors (WSSA 1)	fenoxaprop-p-ethyl clethodim fenoxaprop-p-ethyl fluzifop-p-butyl sethoxydim	<i>Echinochloa phyllopogon</i> (late watergrass) <i>Phalaris minor</i> (littleseed canary grass)
Photosystem II (PS II) inhibitors (WSSA 7)	propanil propanil atrazine	<i>Cyperus difformis</i> (smallflower umbrella sedge) <i>Schoenplectus mucronatus</i> (ricefield bulrush) <i>Senecio vulgaris</i> (common groundsel)
Lipid synthesis inhibitors (WSSA 8)	difenzoquat thiobencarb thiobencarb	<i>Avena fatua</i> (wild oats) <i>Echinochloa phyllopogon</i> (late watergrass) <i>Echinochloa oryzoides</i> (early watergrass)
Synthetic auxins (WSSA 4)	quinclorac	<i>Digitaria ischaemum</i> (smooth crabgrass)
Glutamine synthase inhibitors (WSSA 10)	glufosinate	<i>Lolium perenne ssp. multiflorum</i> (Italian ryegrass)

□

Weed species	Active ingredient	Herbicide site of action (WSSA group)
<i>Conyza bonariensis</i> (hairy fleabane)	glyphosate paraquat	5-enol-pyruvyl-shikimate-3-phosphate synthase (EPSPS) inhibitor (WSSA 9) Photosystem I (PS I) electron diverter (WSSA 22)
<i>Conyza canadensis</i> (horseweed)	glyphosate paraquat	5-enol-pyruvyl-shikimate-3-phosphate synthase (EPSPS) inhibitor (WSSA 9) Photosystem I (PS I) electron diverter (WSSA 22)
<i>Echinochloa crus-galli</i> var. <i>crus-galli</i> (barnyardgrass)	cyhalofop-butyl fenoxaprop-p-ethyl molinat thiobencarb	Acetyl-CoA carboxylase (ACCase) inhibitors (WSSA 1) Lipid synthesis inhibitors (WSSA 8)
<i>Echinochloa phyllopogon</i> (late watergrass)	cyhalofop-butyl fenoxaprop-p-ethyl molinat thiobencarb	Acetyl-CoA carboxylase (ACCase) inhibitors (WSSA 1) Lipid synthesis inhibitors (WSSA 8)
<i>Lolium perenne</i> ssp. <i>multiflorum</i> (Italian ryegrass)	glyphosate sethoxydim paraquat	5-enol-pyruvyl-shikimate-3-phosphate synthase (EPSPS) inhibitor (WSSA 9) Acetyl-CoA carboxylase (ACCase) inhibitors (WSSA 1) Photosystem I (PS I) electron diverter (WSSA 22)
<i>Lolium perenne</i> ssp. <i>multiflorum</i> (Italian ryegrass)	glyphosate paraquat imazamox mesosulfuron-methyl clethodim sethoxydim cyhalofop-p-ethyl fenoxaprop-p-ethyl fluazifop-p-butyl	5-enol-pyruvyl-shikimate-3-phosphate synthase (EPSPS) inhibitor (WSSA 9) Photosystem I (PS I) electron diverter (WSSA 22) Acetolactate synthase (ALS) inhibitors (WSSA 2) Acetyl-CoA carboxylase (ACCase) inhibitors (WSSA 1)