



WISCONSIN* HERBICIDE MODE OF ACTION CHART (SEE OTHER SIDE FOR COMBINATION PRODUCTS)

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Mode of action	Group number & Herbicide site of action	Chemical family	Active ingredient	Product trade name® example	
Lipid Synthesis Inhibitors	1 ACCase Inhibitors	Aryloxyphenoxypropionate (fops)	fenoxaprop	Fusion, Wolverine, others	
			fluazifop	Fusilade DX	
			quizalofop	Assure II, Targa	
		Cyclohexanedione (dims)	clethodim	Select Max, others	
			sethoxydim	Poast, Poast Plus	
		Phenylpyrazolin	pinoxaden	Axial XL	
Amino Acid Synthesis Inhibitors	2 ALS Inhibitors	Imidazolinone	imazamox	Raptor, Beyond	
			imazapic	Plateau	
			imazaquin	Scepter	
			imazethapyr	Pursuit	
			Pyrimidinylthiobenzoic acid	bispyribac	Velocity, Tradewind
		Sulfonylaminocarbonyl-triazolinones	flucarbazone	Everest, Sierra	
			propoxycarbazone	Component of Rimfire	
			thiencarbazone	Component of Corvus, others	
			chlorimuron	Classic	
			chlorsulfuron	Glean	
			foramsulfuron	Option	
			halosulfuron	Permit	
			iodosulfuron	Component of Autumn	
			mesosulfuron	Component of Rimfire	
			metsulfuron	Ally	
			nicosulfuron	Accent Q	
			primisulfuron	Beacon	
			prosulfuron	Peak	
		rimsulfuron	Resolve		
		thifensulfuron	Harmony		
		tribenuron	Express		
		triflusaluron	UpBeet		
		Triazolopyrimidine	cloransulam	FirstRate	
florasulam	Component of Orion				
flumetsulam	Python				
penoxsulam	Pindar, others				
pyroxsulam	Goldsby, others				
9 EPSP Synthase Inhibitor	Organophosphorus		glyphosate	Roundup, others	
Growth Regulators	4 T1R1 Auxin Receptors		Arylpicolinate	halauxifen	Component of Quelex
		Benzoic acid		dicamba	Banvel, Clarity, DiFlexx, Engenia, XtendiMax, others
				aminopyralid	Milestone
		Carboxylic acid	clopyralid	Stinger	
			fluroxypyr	Component of Weld	
			triclopyr	Trycera	
			quinclorac	Facet	
		Phenoxy	2,4-D	2,4-D, others	
			MCPA	MCPA, others	
		19 Auxin Transport	Semicarbazone	diflufenzopyr	Component of Status

Mode of action	Group number & Herbicide site of action	Chemical family	Active ingredient	Product trade name® example	
Photosynthesis Inhibitors	5 Photosystem II Inhibitors (different binding than 6 & 7)	Phenylcarbamate	desmedipham	Alphanex	
			phenmedipham	Component of Betamix	
		Triazine	atrazine	AAtrex, others	
			prometryn	Caparol	
			simazine	Princep	
		Triazinone	hexazinone	Velpar	
			metribuzin	Metribuzin, others	
		Uracil	terbacil	Sinbar	
	6 Photosystem II Inhibitors (different binding than 5 & 7)	Benzothiadiazole	bentazon	Basagran, others	
	7 Photosystem II Inhibitors (different binding than 5 & 6)	Nitrile	bromoxynil	Buctril, others	
		Urea	diuron	Direx	
			linuron	Lorox, Linex	
Nitrogen Metabolism Inhibitor	10 Glutamine Synthesis Inhibitor	Organophosphorus	glufosinate	Liberty	
Pigment Inhibitors	12 Phytoene Desaturase Inhibitor	None recognized	fluridone	Sonar	
	13 Diterpene Synthesis Inhibitor	Isoxazolidinone	clomazone	Command	
	27 HPPD Inhibitors	Isoxazole	isoxaflutole	Balance Flexx	
		Pyrazole	pyrasulfotole	Component of Huskie	
		Pyrazolone	topramezone	Armezon, Impact	
		Triketone	mesotrione	Callisto	
			tembotrione	Laudis	
Cell Membrane Disrupters	14 PPO Inhibitors	Aryl triazinone	sulfentrazone	Spartan	
			carfentrazone	Aim	
			fluthiacet	Cadet	
		Diphenylether	acifluorfen	Ultra Blazer	
			fomesafen	Flexstar, Reflex, others	
			lactofen	Cobra, Phoenix	
			flumiclorac	Resource	
		N-phenylphthalimide	flumioxazin	Valor	
			Pyrimidinedione	saflufenacil	Sharpen
			22 Photosystem I Electron Diverter	Bipyridylum	diquat
	paraquat	Gramoxone SL			
Seeding Root Growth Inhibitors	3 Microtubule Inhibitors	Amide	pronamide	Kerb	
		Dinitroaniline	ethalfluralin	Sonalan	
			pendimethalin	Prowl H2O, others	
			trifluralin	Treflan, others	
Seeding Shoot Growth Inhibitors	8 Lipid Synthesis Inhibitors (not ACCase)	Thiocarbamate	cycloate	Ro-Neet	
			EPTC	Eptam	
	15 Long-chain Fatty Acid Inhibitors	Chloroacetamide	acetochlor	Degree, Harness, Surpass, Warrant, others	
			s-metolachlor	Dual II Magnum, others	
			dimethenamid-P	Outlook	
		Pyrazole	pyroxasulfone	Zidua	
16 Specific Site Unknown	Benzofurane	ethofumesate	Nortron		



WISCONSIN* HERBICIDE COMBINATION PRODUCTS (SEE OTHER SIDE FOR MODE OF ACTION KEY)

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Premix trade name®	Active ingredient	Product trade name® example	Site of action
ACURON	bicyclopyrone		27
	mesotrione	Callisto	27
	atrazine	AAtrex	5
	s-metolachlor	Dual II Magnum	15
Acuron Flexi	bicyclopyrone		27
	mesotrione	Callisto	27
	s-metolachlor	Dual II Magnum	15
AFFINITY BROADSPEC (Affinity Tankmix)	thifensulfuron	Harmony	2
	tribenuron	Express	2
AFFORIA	thifensulfuron	Harmony	2
	tribenuron	Express	2
	flumioxazin	Valor	14
ANTHEM ATZ	pyroxasulfone	Zidua	15
	fluthiacet	Cadet	14
	atrazine	AAtrex	5
ANTHEM FLEX	pyroxasulfone	Zidua	15
	carfentrazone	Aim	14
ANTHEM MAXX	pyroxasulfone	Zidua	15
	fluthiace	Cadet	14
ARMEZON PRO	tropamezone	Armezon	27
	dimethenamid-P	Outlook	15
AUTHORITY ASSIST	sulfentrazone	Spartan	14
	imazethapyr	Pursuit	2
AUTHORITY ELITE	sulfentrazone	Spartan	14
	s-metolachlor	Dual II Magnum	15
AUTHORITY FIRST	sulfentrazone	Spartan	14
	cloransulam	FirstRate	2
AUTHORITY MTZ	sulfentrazone	Spartan	14
	metribuzin	Metribuzin	5
AUTHORITY XL	sulfentrazone	Spartan	14
	chlorimuron	Classic	2
AUTUMN SUPER	iodosulfuron	Autumn	2
	thiencarbazon		2
AXIAL STAR	pinoxaden	Axial XL	1
	fluroxypyr	Starane	4
BASIS BLEND	rimsulfuron	Resolve	2
	thifensulfuron	Harmony	2
BETAMIX	desmedipham		5
	phenmedipham	N/A	5
BICEP II MAGNUM	s-metolachlor	Dual II Magnum	15
	atrazine	AAtrex	5
BOUNDARY	s-metolachlor	Dual II Magnum	15
	metribuzin	Metribuzin	5
BREAKFREE NXT ATZ	acetochlor	Breakfree NXT	15
	atrazine	AAtrex	5
BROADAXE	s-metolachlor	Dual II Magnum	15
	sulfentrazone	Spartan	14
CALLISTO GT	mesotrione	Callisto	27
	glyphosate	glyphosate	9
CANOPY	chlorimuron	Classic	2
	metribuzin	Metribuzin	5
CANOPY EX	chlorimuron	Classic	2
	tribenuron	Express	2
CAPRENO	thiencarbazon		2
	tembotrione	Laudis	27

Premix trade name®	Active ingredient	Product trade name® example	Site of action
CINCH ATZ	s-metolachlor	Dual II Magnum	15
	atrazine	AAtrex	5
COLT + SALVO	2,4-D	2,4-D	4
	fluroxypyr	Starane	4
COLT + SWORD	MCPA	MCPA	4
	fluroxypyr	Starane	4
CORVUS	thiencarbazon		2
	isoxaflutole	Balance Flexx	27
CURTAIL	clopyralid	Stinger	4
	2,4-D	2,4-D	4
CURTAIL M	clopyralid	Stinger	4
	MCPA	MCPA	4
DEGREE XTRA	acetochlor	Degree	15
	atrazine	AAtrex	5
DIFLEXX DUO	dicamba	DiFlexx	4
	tembotrione	Laudis	27
ENLIST DUO	2,4-D	2,4-D	4
	glyphosate	glyphosate	9
ENLITE	chlorimuron	Classic	2
	thifensulfuron	Harmony	2
ENVIVE	flumioxazin	Valor	14
	chlorimuron	Classic	2
ENVIVE	thifensulfuron	Harmony	2
	flumioxazin	Valor	14
EXPERT	s-metolachlor	Dual II Magnum	15
	atrazine	AAtrex	5
EXTREME	glyphosate	glyphosate	9
	imazethapyr	Pursuit	2
FIERCE	glyphosate	glyphosate	9
	flumioxazin	Valor	14
FIERCE XLT	pyroxasulfone	Zidua	15
	flumioxazin	Valor	14
FIERCE XLT	pyroxasulfone	Zidua	15
	chlorimuron	Classic	2
FLEXSTAR GT	fomesafen	Flexstar	14
	glyphosate	glyphosate	9
FOREFRONT HL	aminopyralid	Milestone	4
	2,4-D	2,4-D	4
FOXFIRE	fenoxaprop	Tecoma	1
	pinoxaden	Axial XL	1
FULTIME NXT	acetochlor	TopNotch	15
	atrazine	AAtrex	5
FUSION	fluazifop	Fusilade DX	1
	fenoxaprop	Puma	1
GOLDSKY	pyroxulam		2
	florasulam		2
GUARDSMAN MAX	fluroxypyr	Starane	4
	dimethenamid-P	Outlook	15
HALEX GT	atrazine	AAtrex	5
	s-metolachlor	Dual II Magnum	15
HARNESXTRA	mesotrione	Callisto	27
	glyphosate	glyphosate	9
HARNESXTRA	acetochlor	Harness	15
	atrazine	AAtrex	5
HORNET	clopyralid	Stinger	4
	flumetsulam	Python	2

Premix trade name®	Active ingredient	Product trade name® example	Site of action
HUSKIE	pyrasulfotole		27
	bromoxynil	Buctril	6
HUSKIE COMPLETE	pyrasulfotole		27
	bromoxynil	Buctril	6
INSTIGATE	thiencarbazon		2
	rimsulfuron	Resolve, Matrix	2
KEYSTONE NXT	mesotrione	Callisto	27
	acetochlor	Surpass NXT	15
LEXAR EZ	atrazine	AAtrex	5
	mesotrione	Callisto	27
LUMAX EZ	s-metolachlor	Dual II Magnum	15
	atrazine	AAtrex	5
MARVEL	fluthiacet	Cadet	14
	fomesafen	Flexstar	14
NORTHSTAR	primisulfuron	Beacon	2
	dicamba	Clarity	4
OPTILL	saflufenacil	Sharpen	14
	imazethapyr	Pursuit	2
ORION	florasulam		2
	MCPA	MCPA	4
PANOFLEX	thifensulfuron	Harmony	2
	tribenuron	Express	2
PREFIX	s-metolachlor	Dual II Magnum	15
	fomesafen	Reflex	14
QUELEX	halauxifen	Arylex	4
	florasulam		2
REALM Q	rimsulfuron	Resolve	2
	mesotrione	Callisto	27
REBELEX	cyhalofop	Clincher	1
	penoxsulam	Grasp	2
REQUIRE Q	rimsulfuron	Resolve	2
	dicamba	Clarity	4
RESICORE	clopyralid	Stinger	4
	acetochlor	Surpass NXT	15
RESOLVE Q	mesotrione	Callisto	27
	rimsulfuron	Resolve	2
REVULIN Q	thifensulfuron	Harmony	2
	nicosulfuron	Accent Q	2
RIMFIRE MAX	mesotrione	Callisto	27
	propoxycarbazon		2
ROUNDUP XTEND	mesosulfuron		2
	dicamba	XtendiMax	4
ROWEL FX	glyphosate	glyphosate	9
	flumioxazin	Valor	14
SEQUENCE	chlorimuron	Classic	2
	s-metolachlor	Dual II Magnum	15
SOLSTICE	glyphosate	glyphosate	9
	mesotrione	Callisto	27
SONIC	fluthiacet	Cadet	14
	sulfentrazone	Spartan	14
SPARTAN CHARGE	cloransulam	FirstRate	2
	carfentrazone	Aim	14

Premix trade name®	Active ingredient	Product trade name® example	Site of action
SPIRIT	propriflufenacet	Peak	2
	primisulfuron	Beacon	2
STANZA	clopyralid	Stinger	4
	flumetsulam	Python	2
STARANE FLEX	florasulam		2
	fluroxypyr	Starane	4
STATUS	diflufenzopyr		19
	dicamba	Clarity	4
STEADFAST Q	nicosulfuron	Accent Q	2
	rimsulfuron	Resolve	2
STORM	bentazon	Basagran	6
	acifluorfen	Ultra Blazer	14
SURESTART II	acetochlor	Surpass NXT	15
	clopyralid	Stinger	4
SURVEIL	flumetsulam	Python	2
	flumioxazin	Valor	14
SYNCHRONY	cloransulam	FirstRate	2
	chlorimuron	Classic	2
TRIPLEFLEX II	thifensulfuron	Harmony	2
	acetochlor	Harness	15
TRIVENCE	clopyralid	Stinger	4
	flumetsulam	Python	2
VALOR XLT	chlorimuron	Classic	2
	flumioxazin	Valor	14
VARISTO	metribuzin	Metribuzin	5
	flumioxazin	Valor	14
VELPAR ALFAMAX	hexazinone	Velpar	7
	diuron		7
VERDICT	saflufenacil	Sharpen	14
	dimethenamid-P	Outlook	15
WARRANT ULTRA	fomesafen	Reflex	14
	acetochlor	Warrant	15
WELD	MCPA	MCPA	4
	fluroxypyr	Starane	4
WIDEMATCH	clopyralid	Stinger	4
	fluroxypyr	Starane	4
WOLVERINE ADVANCED	fenoxaprop		1
	pyrasulfotole		27
YUKON	bromoxynil	Buctril	6
	dicamba	Banvel	4
ZEMAX	halosulfuron	Permit	2
	mesotrione	Callisto	27
ZIDUA PRO	s-metolachlor	Dual II Magnum	15
	imazethapyr	Pursuit	2
ZIDUA PRO	saflufenacil	Sharpen	14
	pyroxasulfone	Zidua	15

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