California Small Grains Herbicide Mode of Action Chart

* Herbicide labels may have geographic, buffer and crop restrictions. Reference to pesticide products in this publication are not an endorsement or criticism of one product over other similar products. You are responsible for using pesticides according to the manufacture's current label directions. Failure to do so violates the law. Chart data adopted from Weed Science Society of America Herbicide Site of Action (WSSA) classification list, Wisnconsin Herbicide Mode of Action Chart, and current product labels.

Mode of action Group number & Herbicide site of action			r & Herbicide site of action	Chemical fmaily	Active ingredient	Product trade name@ example	Mode of action	Group number & Herbicide site of action		Chemical fmaily	Active ingredient	Product trade name@ example	
Lipid Synthesis Inhibitors			ACCase Inhibitors	Aryloxyphenoxy- propionates (FOPs)	fenoxaprop-P	Double check	ssis	5	PS II Inhibitor (different	Urea	diuron	Diuron 4L, Diuron 4SC, others	
		1		Phenylpyrazoline (DEMs)	pinoxaden	Axial XL	Photosynthesis Inhibitors		binding than 6 & 7)	Triazinone No products currently registered			
								6	PS II Inhibitor	Nitriles	bromoxynil	Brox 2EC, Moxy 2E, and others	
								7	PS II Inhibitor	No products currently	registered		
Amino Acid Synthesis Inhibitors	Ī		ALS Inhibitors	lmidazolinone	imazamox	Beyond Clearfield	Nitrogen Metabolism Inhibitor	Glutamine Synthesis Inhibitor No products currently registered					
				Triazolinone	thiencarbazone	Component of Osprey Xtra	Diterpene Synthesis Inhibitor No products currently registered						
		2		Triazolopyrimidine Type 2	pyroxsulam	Simplicity	Pigment Inhibitors	27	HPPD Inhibitors	No products currently registered			
				Sulfonylureas (SUs)	chlorsulfuron	Glean XP							
					mesosulfuron	Osprey	an s	14	PPO Inhibitors	N-phenylphthalimide	carfentrazone	Shark EW	
					tribenuron	Express TotalSol	Cell Membrane Disruptors			Phenylpyrazoles	pyraflufen	ET Herbicide	
		9	EPSP Synthase Inhibitor	Glycine	glyphosate **	Gly Star Plus, Mad Dog Plus, and others	II Me Disru			N-Phenyl-imides	saflufenacil	Sharpen	
							త్	22	PS I Electron Diverter	Bipyridylium	paraquat	Gramoxone SL	
Growth Regulators			Synthetic Auxin	Phenoxy-carboxylic acid Pyridine- carboxylates	2,4-D Amine	Amine 4, Weedar 64, and others Weedone LV4, D-638, Solve 2,4-		3	Microtubule Inhibitors	Dinitroaniline		Providence Providence Consulting	
	2				2,4-D Ester	D, and others	Seedling Root Growth Inhibitors				pendimethalin	Prowl H2O, Pavilion H2O, Satellite Hydrocap, others	
		4			2,4-D Choline	Embed Extra	See R Gr				trifluralin	Treflan HFP, Trifluralin HF, others	
		4			MCPA	MCPA 4 Amine and others	4		_				
					clopyralid	Spur and Stinger	Seedling Shoot Growth Inhibitors	8	Lipid Synthesis Inhibitors (not ACCase)	No products currently	registered		
				Benzoates	dicamba	Banvel, Clarity, Rifle, and others	Seed! oot G nhibi	Long-chain Fatty Acid					
	1	19	Auxin Transport No products currently registered				ng –		Inhibitors	No products currently registered			

^{**} Spot treatment, over-the-top wiper applications, prior emergence to the crop and preharvest label use. Follow manufacture's label use directions.