HERBICIDE CLASSIFICATION ACCORDING TO PRIMARY SITE OF ACTION

sistance Group			Resistance Group		
WSSA	Site of Action	Herbicide Families in Group	WSSA	Site of Action	Herbicide Families in Group
0	Nucleic acid inhibitors	Organoarsenical	12	PDS (phytoene desaturase) inhibitor (bleaching)	Pyridazinone Pyridinecarboxamide Other
1	ACCase (acetyl CoA carboxylase) inhibitor	Aryloxyphenoxy propionate Cyclohexanedione		initiation (biodonnig)	
	carboxylase) minibilor	Phenylpyrazoline	13	DOXP (1-deoxy-D-xyulose	Isoxazolidinone
2	ALS (acetolactate synthase)	Imidazolinone		5-phosphate synthetase) inhibitor	
	or AHAS (acetohydroxyacid synthase) inhibitor	Pyrimidinylthio-benzoate		(bleaching)	
		Sulfonylamino-carbonyltriazolinone Sulfonylurea	14	Protox (protoporphyrinogen oxidase) inhibitor	Diphenylether
		Triazolopyrimidine			N-phenylphthalimide Oxadiazole
3	Inhibitor of microtubule assembly	Benzoic acid			Oxazolidinedione
		Benzamides			Phenylpyrazole
		Dinitroanilines Phophoroamidates			Pyrimidindione Triazolinone
		Pyridines	15	Inhibition of lipid synthesis	Acetamide
4	Synthetic auxins	Arylpicolinate	15	innibilion of lipid synthesis	Benzofuran
		Benzoic acid			Chloroacetamide
		Phenoxy-carboxylic acid			Oxyacetamide
		Pyridine-carboxylic acid Quinoline carboxylic acid			Tetrazolinone
5	Inhibitor of photosynthesis at photosystem II site A Serine 264 binders	Amide			Thiocarbamate Phosphorodithioate*
5		Phenyl-carbamate			Carbamate
		Pyridazinone	18	DHP (7,8-dihydro-pteroate) synthetase inhibitor	
		Triazine Triazinone	19	Inhibitor of indoleacetic acid transport	Phthalamate
		Triazolinone	15		Semicarbazone
		Uracil Urea	22	Photosystem I electron diverter	Bipyridylium
6	Inhibitor of photosynthesis at photosystem II site B	Benzothiadiazinone	23	Mitosis inhibitor	Carbamate
		Nitrile	24	Membrane disruptor (uncouplers)	Dinitrophenol
	Histidine 215 binders	Phenyl-pyridazine	27	Inhibitor of 4-HPPD (4-hydroxy-	Isoxazole
9	EPSP synthase inhibitor	Glycine*		phenyl-pyruvate dioxygenase) (bleaching)	Pyrazole Triketone
10	Glutamine synthetase inhibitor	Phosphinic acids*			
11	Carotenoid biosynthesis inhibitor	Triazole	29	Inhibition of cellulose synthesis	Alkylazine Benzamide
	(bleaching)				Nitrile

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CROP REPLANT AND ROTATION GUIDE FOR COTTON HERBICIDES*

Herbicide	Replant/ Crop Rotation	Time Interval	Precautions
Aim 2 EC	C,CT,S,R,GS All	l 30 days	
Anthem Flex	S,C R SG W CT,P,SF	I 10 months 11 months I 4 months	
Assure II	CT,S All	I 4 months	
Brake 16 oz or less	CT S R,P,W,B C,GS All	I 2 months 8 months 10 months 18 months	No restrictions.
Caparol/others	CT SG,GS, as cover crops. All	l l† FY	† Must be plowed and not used for food or feed.
Cotoran	CT All	I 6 months	
Direx	CT† All	l FY	† Do not retreat with second application in same year.
Dual Magnum	S,C,CT,GS† SG Rice All	I 4.5 months Next spring 18 months	† Use Concep-treated grain sorghum seed.
Envoke	C,GS,S,R CT W All	7 months 30 days 3 months 18 months	Cotton rotation increases with higher rates.
Fierce	CT C GS R S W	45 days 30 days 12 months 10 months I 1 month	
Fusilade/Fusion	CT,S All	I 2 months	
Glufosinate	CT,C,S,R W GS	l 70 days 180 days	
Glyphosate	All	1	
Linex	C,GS,S All	I 4 months	Thoroughly rework soil before replanting. Do not retreat with second application. Plant corn at least 1.75 inches deep and grain sorghum at least 1-inch deep.
MSMA, DSMA	All	1	Research has shown arsenical herbicides (MSMA/DSMA) can cause straighthead in rice. Precautions for straighthead should be taken when rice is grown following cotton.

	Replant/	Time			
Herbicide	Crop Rotation	Interval	Precautions		
Paraquat			No restrictions.		
Poast Plus			No restrictions.		
Prowl, Pendimax	CT,S W,B All	I 4 months FY	Do not rework soil deeper than treated zone.		
Prowl, Pendimax (2X rate)	CT,S All	l FY	Do not rework soil deeper than treated zone.		
Reflex//Flexstar/ Cheetah Max/Sinister	S,CT W,SG C,R,GS SF	I 4 months 10 months 18 months			
Select Max, Tapout	С	30 days			
Staple LX	CT S R GS C	IMI-resistant	ate the following season. nt corn – 9 months. Any other variety – 10 months if nan 3.8 oz Staple XL was applied.		
Suprend	W CT,C,GS,R,S	3 months 7 months			
Treflan/others	CT,S W,B All	l Fall FY			
Treflan/others (2X rate)	CT,S Rice All	l FY 2 years			
Valor	C,CT,R,GS, W,SF S All others	30 days I 12 months	Must receive 1-inch of rain.		
Zidua (3.25 oz/A)	C,S CT, P R W GS others	I 2 months 12 months 70 days 6 months FY			

*This table applies to the major field and forage crops. Refer to the herbicide labels for the latest recrop and rotation information for horticultural crops. These are written as best we could interpret the labels. We regret any omissions or errors. Always refer to product labels before using a pesticide or replanting into treated fields.

КЕҮ								
Сгор				Timing				
С	=	Corn	S	=	Soybeans	All	=	All crops not
СТ	=	Cotton	SF	=	Sunflowers			specified
В	=	Barley	SG	=	Small Grains	1	=	Immediately
GS	=	Grain Sorghum	W	=	Wheat	FY	=	Following year (usually spring)
R	=	Rice						

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