



Maryland Grain Producers Association
118 Dundee Ave, Chester, MD 21619
Lindsay.mdag@gmail.com (p) 443-262-8491
www.marylandgrain.com

Date: February 12, 2025

House Bill 386 - Pesticides - PFAS Chemicals - Prohibition

Committee: Health and Government Operations

MGPA Position: OPPOSED

Maryland Grain Producers Association (MGPA) Position on House Bill 386

The Maryland Grain Producers Association (MGPA) serves as the voice of grain farmers across the state, representing those growing corn, wheat, barley, and sorghum. MGPA strongly opposes House Bill 386, which seeks to prohibit the sale of pesticides containing an active ingredient defined as a per- and polyfluoroalkyl substance (PFAS) starting June 1, 2028. Specifically, the bill defines PFAS as: “*A class of fluorinated chemicals that contain at least one fully fluorinated carbon atom, including perfluoroalkyl and polyfluoroalkyl substances.*” This proposed legislation would effectively ban many pesticides without an individual evaluation of their risk.

While the exact number of pesticides that would meet this definition is unclear, estimates suggest it could range between 66 and 90 active ingredients across over 1,100 pesticide products. This lack of clarity, combined with the broad nature of the definition, poses a significant threat to the availability of essential tools for Maryland’s farmers.

The definition of PFAS in this bill is inconsistent with the working definition used by the U.S. Environmental Protection Agency (EPA), specifically the EPA’s Office of Pesticide Programs, which is responsible for regulating pesticides at the federal level. Additionally, the definition conflicts with the one used in the Toxic Substances Control Act. This discrepancy is concerning because the term “PFAS” does not inherently convey whether a compound is harmful—it only indicates that the compound contains a fully fluorinated methyl or methylene carbon atom.¹ Simply containing a fluorinated carbon does not communicate risk to human health or the environment. Therefore, banning pesticides based solely on this broad definition would remove critical tools from farmers’ arsenals for controlling pests and weeds, ultimately undermining the production of food, fuel, and fiber.

Pesticide regulation in the U.S. is governed by the EPA, where every pesticide must undergo a rigorous risk assessment for both human health and environmental impact before it can be registered for use. In addition, these chemicals are re-evaluated every 15 years or whenever new scientific data becomes available. Pesticides must meet stringent safety standards to remain in use, ensuring they do not pose “undue risk to human health or the environment.” The regulation of potential PFAS-related risks in pesticides should remain under the purview of the EPA under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Upon reviewing the pesticides affected by this legislation, Maryland’s grain farmers have determined that losing many of these herbicides and pesticides would severely hinder their ability to effectively control pests and weeds. For example, nearly 50% of the pre-emergent herbicides currently available for soybean weed control would be banned. Even though alternative products may remain, herbicide rotation is crucial to prevent resistance. This bill would further limit the options available to farmers,



Maryland Grain Producers Association
118 Dundee Ave, Chester, MD 21619
Lindsay.mdag@gmail.com (p) 443-262-8491
www.marylandgrain.com

thereby exacerbating existing challenges in pest management.

Furthermore, this committee commissioned a study in 2023, involving the Maryland Departments of Agriculture, Environment, and Health, along with the EPA, to examine the issue of PFAS in pesticides. The recommendation of that study did not call for banning pesticides based on the one-carbon definition of PFAS. If this committee seeks to further address this issue, we urge you to rely on the expertise of these state and federal departments to ensure sound, science-based decisions.

Maryland farmers do not wish to be passive receivers of PFAS of concern. However, the definition proposed in this bill does not achieve this goal effectively. Moreover, regulating pesticides at the state level creates an unfair disadvantage for Maryland farmers, who would be limited in their ability to use important tools that remain available to farmers in surrounding states.

Farmers are stewards of the land and the original environmentalists. We understand and appreciate the need to minimize unnecessary PFAS in the environment. However, this bill would place Maryland farmers at an unfair disadvantage, limiting their ability to grow crops efficiently or implement critical conservation practices, such as cover crops and no-till farming, on a broad scale.

For these reasons, the MGPA respectfully requests an unfavorable report on House Bill 386.

1. “Reconciling Terminology of the Universe of Per- and Polyfl uoroalkyl Substances: Recommendations and Practical Guidance.” The Organisation for Economic Co-operation and Development (OECD) 2021

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)

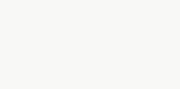
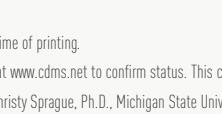
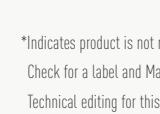
This chart groups herbicides by their modes of action to assist you in selecting herbicides 1) to maintain greater diversity in herbicide use and 2) to rotate among effective herbicides with different sites of action to delay the development of herbicide resistance.

SITE-OF-ACTION GROUP ¹	SITE OF ACTION	NUMBER OF RESISTANT WEED SPECIES IN U.S.			
	CHEMICAL FAMILY	ACTIVE INGREDIENT	PRODUCT EXAMPLES (TRADE NAME)		
LIPID SYNTHESIS INHIBITORS					
1	ACCase INHIBITORS (fatty CoA carboxylase)	14	clodinafol cyhalofop fenoxaprop fluazifop quizalofop Cyclohexanone (dims) clethodim sethoxydim Phenylpyrazolone pinoxaden	Discover NG Clincher Ricestar HT, others Fusilade DX Aggressor, Assure II, Targa Select Max, others Poast, Poast Plus Axial XL	
AMINO ACID SYNTHESIS INHIBITORS					
2	ALS INHIBITORS (acetolactate synthase)	53	imazamox imazapic imazapyr imazquin imazethapyr Pyrimidinyl benzoates bispyriac pyributide bensulfuron chlorsulfuron chlorsulfuron halosulfuron iodosulfuron mesosulfuron orthosulfuron primisulfuron prosulfuron rimosulfuron sulfosulfuron thifensulfuron triflusulfuron Triazolinones flucarbazone propoxycarbazone thienccbazine Triazolopyrimidine - Type 1 florasulam flumetsulam Triazolopyrimidine - Type 2 penoxsulam pyroxasulam	Raptor, Beyond Plateau Arsenal Scepter Pursuit, Newpath Regiment Staple Londax Classic Glean Permit, Sandea Autumn Osprey Ally Accent Q, Zest Strada Beacon Peak Matrix, Resolve Outrider Harmony Amber Express Envoke Upbeat Everest, Pre-Pare Olympus Varro FirstRate component of Orion, Quelex, Starane Flex Python Grasp PowerFlex HL	
9	EPSP SYNTHASE INHIBITOR (5-enopyruvyl-shikimate-3-phosphate)	17	Glycine	glyphosate	Roundup, several others
GROWTH REGULATORS					
4	SYNTHETIC AUXINS (TIR, AFB1-5 and unknown auxin receptor)	10	Benzene Phenoxy carboxylate Pyridine carboxylate Pyridyloxy carboxylate Quinoline carboxylate	dicamba 2,4-D MCPA clopyralid haluxifen fluroxypyr triclopyr quinclorac	Banvel, Clarity, DifFlex, Engenia, XtendiMax, others 2,4-D, Enlist One, others MCPA, others Stinger HL Elevate Starane Ultra Garton, Remedy Ultra Facet
19	AUXIN TRANSPORT INHIBITOR	0	Aryl carboxylate	diflufenozopyr	component of Status
PHOTOSYNTHESIS INHIBITORS					
5	PHOTOSYSTEM II INHIBITORS (D1 Sceine 264 binders and non-histidine 215 binders)	28	Amide Triazine Triazinone Uracil Urea	propanil atrazine prometon prometryn simazine hexazinone metribuzin terbacil diuron fluometuron linuron tebuturon	SuperWham AAtrax, others Pramitol Caparol Princep Velpar Metribuzin, others Sinbar Direx, Karmex Cotoran Lorox, Linex Spike
6	PHOTOSYSTEM II INHIBITORS (D1 Histidine 215 binders)	1	Benzothiadiazinone Nitrile Phenyl pyridazine	bentazon bromoxynil pyridate	Basagran, others Maestro, Moxy, others Tough
NITROGEN METABOLISM INHIBITOR					
10	GLUTAMINE SYNTHETASE INHIBITORS	3	Phosphinic acid	glufosinate	Liberty, Rely, Novanta, others
PIGMENT INHIBITORS					
12	PHYTOENE DESATURASE (POS) INHIBITORS	1	Diphenyl heterocycle N-Phenyl heterocycle Phenyl ether	fluridone norflurazon diflufenican	Brake, Sonar Solicam ----
13	DOXP SYNTHASE INHIBITOR (1-deoxy-D-xylulose 5-phosphate)	2	Isoxazolidinone	clomazone	Command 3ME
27	HPPD INHIBITORS	2	Isoxazole Pyrazole Triketone	isoxafutole pyrasafutole topramezone tolpyralate bicyclopyrone Optogen mesotrizone tembotrizone	Alite 27, Balance Flexx component of Huskie Armezon, Impact Shieldex Starane Callisto Laudis
CELL MEMBRANE DISRUPTERS					
14	PPO INHIBITORS	5	Diphenyl ether N-Phenyl imide N-Phenyl triazolinone	acifluorfen fomesafen lactofen flumiclorac flumioxazin saftufenacil tafenacil carfentrazone sulfentrazone diquat paraquat	Ultra Blazer Flexstar, Reflex, others Cobra, Phoenix Resource Valor, Chateau, others Sharpen Aim Spartan Reglone Gramoxone SL
22	PHOTOSYSTEM I ELECTRON DIVERTER	6	Pyridinium	-----	----
SEEDLING ROOT GROWTH INHIBITORS					
3	MICROTUBULE ASSEMBLY INHIBITORS	6	Benzamide Dinitroaniline Pyridine	pronamide ethafluralin pendimethalin trifluralin dithiopyr	Kerb Sonalan Prowl H.D., others Treflan, others Dimension
SEEDLING SHOOT GROWTH INHIBITORS					
15	VERY LONG-CHAIN FATTY ACID SYNTHESIS INHIBITORS	8	Benzofuran α-Chloroacetamide Isoxazoline α-Oxycetamide Thiocarbamate	ethofumesate acetochlor dimethenamid-P Outlook pyroxasulfone flufenacet cycloate EPTC thiobencarb triallate	Nortron Harness, Surpass, Warrant, others Dual Magnum, others Zidua Define Ro-Neet Eradicane, Eptam Bolero Far-Go
29	CELLULOSE BIOSYNTHESIS INHIBITORS	1	Aylkylazine Benzamide	indaziflam isoxaben	Esplanade, Rezilon Gallery, Trellis
UNDEFINED					
0	UNKNOWN	1	Amide Arsenical	napropamide MSMA	Devrinol MSMA

¹Site-of-action group numbers follow the revised 2008 Herbicide Resistance Action Committee (HRAC) classification.

For more information and links to additional resources, visit IWillTakeAction.com

TAKE ACTION IS ENDORSED BY THE FOLLOWING ORGANIZATIONS:



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.

COMPONENT	SITE-OF-ACTION GROUP		
	PREMIX	ACTIVE INGREDIENT	TRADE NAME
IMPACT CORE	bicyclopromezone	Optogen	27
IMPACTZ	mesotrizone	Callisto	27
INTERMOC	atrazine	AAtrax	5
KATAGON	s-metolachlor	Dual II Magnum	15
KEYSTONE NXT (Keystone LA NXT)	bicyclopromezone	Optogen	27
KOCHIAVORE	mesotrizone	Callisto	27
KYBER	s-metolachlor	Dual II Magnum	15
LEADOFF	glyphosate	glyphosate	9
LEXAR EZ	atrazine	AAtrax	5
AGILITY SG	benzene	Clarity	4
AFFORIA	thifensulfuron	Harmony	2
AGILITY EXTRA	benzene	Express	2
ANTHEM FLEX	benzene	Express	2
ANTHEM MAXX	benzene	Express	2
ARMEZON PRO	benzene	Armezon	27
AUTHORITY ASSIST	benzene	Outlook	15
AUTHORITY EDGE	benzene	Spartan	14
AUTHORITY ELITE	benzene	Spartan	14
AUTHORITY FIRST	benzene	FirstRate	2
AUTHORITY MTZ (Preview 2.1)	benzene	Metribozin	5
AUTHORITY SUPREME	benzene	Zidua	15
AUTHORITY XL (Authority Maxx)	benzene	Zidua	15
AUTUMN SUPER	benzene	Autumn	2
AXIAL BOLD	benzene	Axial XL	1
AXIAL STAR	benzene	Starane	4
BASIS BLEND	benzene	Resolve	2
BICEP II MAGNUM (Bicep Lite II Magnum)	benzene	Dual II Magnum	15
BOUNDARY	benzene	AAtrax	5
BROADAXE XC	benzene	Spartan 4F	14
BRONATE ADVANCED	benzene	Spartan	14
CALIBRA	benzene	Metribozin	5
CALIFORNIA	benzene	Metribuzin	5
CANOPY EX	benzene	Express	2
CAPRENO	benzene	Varro	2
CARNIVORE	benzene	Reflex	14
CHEETAH MAX	benzene	Metribuzin	5
CINCH ATZ (Cinch ATZ Lite)	benzene	Dual II Magnum	15
CLEARPATH	benzene	Newpath	2
COLT AS	benzene	Stinger	4
COLT + SALVO	benzene	Starane	4
CORVUS	benzene	Balance Flexx	27
COYOTE	benzene	Dual II Magnum	15
CRUSHER	benzene	Resolve	2
CURTAIL M	benzene	Stinger	4
DEGREE XTRA	benzene	Dual II Magnum	15
DIFLEXX DUO	benzene	AAtrax	5
DIMETRIC CHARGED	benzene	DifFlex	4
ENLIST DUO	benzene	Metribuzin	5
ENLITE	benzene	Metribuzin	5
FLEXSTAR GT	benzene	Flexstar	14
FULTIME NXT	benzene	TopNotch	15
FUSION	benzene	Fusilade DX	1
GOLDSKY	benzene	Puma	2
GRAZONNEXT HL	benzene	PowerFlex HL	2
HALEX GT	benzene	PowerFlex HL	2
HARMONY EXTRA	benzene	PowerFlex HL	2
HARNESS MAX	benzene	PowerFlex HL	2
HARNESS XTRA	benzene	PowerFlex HL	2
HORNET	benzene	PowerFlex HL	2
HUSKIE	benzene	PowerFlex HL	2
HUSKIE COMPLETE	benzene	PowerFlex HL	2
HUSKIE FX	benzene	PowerFlex HL	2
INDIGO	benzene	PowerFlex HL	2
JOJO	benzene	PowerFlex HL	2
KARMA	benzene	PowerFlex HL	2
KODIAK	benzene	PowerFlex HL	2
LAUREL	benzene	PowerFlex HL	2
LEADER	benzene	PowerFlex HL	2
LEADER X	benzene	PowerFlex HL	2
LEADER X2	benzene	PowerFlex HL	2
LEADER X3	benzene	PowerFlex HL	2
LEADER X4	benzene	PowerFlex HL	2
LEADER X5	benzene	PowerFlex HL	2
LEADER X6	benzene	PowerFlex HL	2
LEADER X7	benzene	PowerFlex HL	2
LEADER X8	benzene	PowerFlex HL	2
LEADER X9	benzene	PowerFlex HL	2
LEADER X10	benzene	PowerFlex HL	2
LEADER X11	benzene	PowerFlex HL	2
LEADER X12	benzene	PowerFlex HL	2
LEADER X13	benzene	PowerFlex HL	2
LEADER X14	benzene	PowerFlex HL	2
LEADER X15	benzene	PowerFlex HL	2
LEADER X16	benzene	PowerFlex HL	2
LEADER X17	benzene	PowerFlex HL	2
LEADER X18	benzene	PowerFlex HL	2
LEADER X19	benzene	PowerFlex HL	2
LEADER X20	benzene	PowerFlex HL	2
LEADER X21	benzene	PowerFlex HL</	

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)

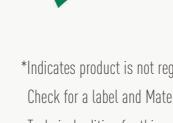
This chart groups herbicides by their modes of action to assist you in selecting herbicides 1) to maintain greater diversity in herbicide use and 2) to rotate among effective herbicides with different sites of action to delay the development of herbicide resistance.

SITE-OF-ACTION GROUP ¹	SITE OF ACTION	NUMBER OF RESISTANT WEED SPECIES IN U.S.			
	CHEMICAL FAMILY	ACTIVE INGREDIENT	PRODUCT EXAMPLES (TRADE NAME)		
LIPID SYNTHESIS INHIBITORS					
1	ACCase INHIBITORS (fatty CoA carboxylase)	14	clodinafol cyhalofop fenoxaprop quinalofop Cyclohexanone (dims) clethodim sethoxydim phenylpyrazolone pinosaden	Discover NG Clincher Ricestar HT, others Aggressor, Assure II, Targa Select Max, others Poast, Poast Plus Axial XL	
AMINO ACID SYNTHESIS INHIBITORS					
2	ALS INHIBITORS (acetyl-CoA carboxylase)	53	imazamox imazapic imazapyr imazquin imazethapyr bispyribac pyribitobac bensulfuron chlorsulfuron chlorsulfuron halosulfuron iodosulfuron mesosulfuron metolsulfuron nicosulfuron orthosulfuron primisulfuron rimosulfuron sulfosulfuron thifensulfuron triasulfuron tribenuron trifloxysulfuron flucarbazone propoxycarbazone thienkarbazone Triazolopyrimidine - Type 1 Triazolopyrimidine - Type 2	Raptor, Beyond Plateau Arsenal Scepter Pursuit, Newpath Regiment Staple Londax Classic Glean Permit, Sandea Autumn Osprey Ally Accent Q, Zest Strada Beacon Matrix, Resolve Outrider Harmony Amber Express Envoke Everest, Pre-Pare Olympus Varro Harmony	
9	EPSP SYNTHASE INHIBITOR (5-enopyruvyl-shikimate-3-phosphate)	17	Glycine	glyphosate	Roundup, several others
GROWTH REGULATORS					
4	SYNTHETIC AUXINS (TIR1, AFB1-5 and unknown auxin receptor)	10	Benzene Phenoxy carboxylate Pyridine carboxylate Pyridyloxy carboxylate Quinoline carboxylate	dicamba 2,4-D MCPA aminopyralid clopyralid triclopyr benazolin nitrile phenyl pyridazine	Banvel, Clarity, Diflex, Engenia, Xtendimax, others 2,4-D, Enlist One, others MCPA, others Milestone Stinger HL Garton, Remedy Ultra Basagran, others Maestro, Moxy, others Tough
19	AUXIN TRANSPORT INHIBITOR	0	Aryl carboxylate		
PHOTOSYNTHESIS INHIBITORS					
5	PHOTOSYSTEM II INHIBITORS (D1 Cysteine 214 binders and non-histidine 215 binders)	28	Amide Triazine Triazinone Uracil Urea Benzothiadiazinone Nitrile Phenyl pyridazine	propanil atrazine prometon prometryne simazine hexazinone metribuzin terbacil diuron fluometuron linuron tebuturon benazolin bromoxynil pyridate	SuperWham AAtrax, others Pramitol Caparol Prince Velpar Metribuzin, others Sinbar Direx, Karmex Cotoran Lorox, Linex Spike Basagran, others Maestro, Moxy, others Tough
6	PHOTOSYSTEM II INHIBITORS (D1 Histidine 215 binders)	1			
NITROGEN METABOLISM INHIBITOR					
10	GLUTAMINE SYNTHETASE INHIBITORS	3	Phosphinic acid	glufosinate	Liberty, Rely, Novanta, others
PIGMENT INHIBITORS					
12	PHYTOENE DESATURASE (POS) INHIBITORS	1	Diphenyl heterocycle N-Phenyl heterocycle Phenyl ether	-----	-----
13	DOXP SYNTHASE INHIBITOR (1-deoxy-D-xylulose 5-phosphate)	2	Isoxazolidinone	clomazone	Command 3ME
27	HPPD INHIBITORS	2	Isoxazole Pyrazole Triketone	topramezone topylate mesotriione	Armezon, Impact Shieldex Callisto
CELL MEMBRANE DISRUPTERS					
14	PPO INHIBITORS	5	Diphenyl ether N-Phenyl imide N-Phenyl triazolinone	-----	-----
22	PHOTOSYSTEM I ELECTRON DIVERTER	6	Pyridinium	diquat paraquat	Gramoxone SL
SEEDLING ROOT GROWTH INHIBITORS					
3	MICROTUBULE ASSEMBLY INHIBITORS	6	Benzamide Dinitroaniline Pyridine	pronamide pendimethalin -----	Kerb Prowl H.D., others
SEEDLING SHOOT GROWTH INHIBITORS					
15	VERY LONG-CHAIN FATTY ACID SYNTHESIS INHIBITORS	8	Benzofuran α-Chloroacetamide dimethylmid-P Isoxazoline α-Oxycetamide cycloate Thiocarbamate Alylkylazine Benzamide	ethofumesate acetochlor dimethylmid-P Dual Magnum, others s-metolachlor clopyralid EPTC thiobencarb triatlate indaziflam isoxaben	Nortron Harness, Surpass, Warrant, others Outlook Dual Magnum, others Milestone Ro-Neet Eradicane, Eptam Bolero Far-Go Esplanade, Rezon Gallery, Trellis
29	CELLULOSE BIOSYNTHESIS INHIBITORS	1			
UNDEFINED					
0	UNKNOWN	1	Amide Arsenical	napropamide MSMA	Devrinol MSMA

¹Site-of-action group numbers follow the revised 2008 Herbicide Resistance Action Committee (HRAC) classification.

For more information and links to additional resources, visit IWillTakeAction.com

TAKE ACTION IS ENDORSED BY THE FOLLOWING ORGANIZATIONS:



Cotton Incorporated

National Association of Wheat Growers

Sorghum Checkoff

NCGA

ASA American Soybean Association



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.

COMPONENT	SITE-OF-ACTION GROUP			COMPONENT	SITE-OF-ACTION GROUP		
	PREMIX	ACTIVE INGREDIENT	TRADE NAME		PREMIX	ACTIVE INGREDIENT	TRADE NAME
IMPACT CORE		acetochlor	Harness	15			
		topramezone	Impact	27			
IMPACTZ		atrazine	AAtrax	5			
		topramezone	Impact	27			
INTERMOC		glufosinate	Liberty	10			
		s-metolachlor	Dual Magnum	15			
KATAGON		nicosulfuron	Accent Q	2			
		topylate	Shieldex	27			
KEYSTONE NXT (Keystone LA NXT)		acetochlor	Surpass NXT	15			
		atrazine	AAtrax	5			
LEADOFF		rimsulfuron	Resolve	2			
		thifensulfuron	Harmony	2			
LEXAR EZ		mesotriione	Callisto	27			
		s-metolachlor	Dual II Magnum	15			
ALITY SG		atrazine	AAtrax	5			
		tribenuron	Express	2			
ALLY EXTRA		dicamba	Clarity	4			
		thifensulfuron	Harmony	2			
AGILITY SG		tribenuron	Express	2			
		metolsulfuron	Ally	2			
ALITY EXTRA		thifensulfuron	Harmony	2			
		tribenuron	Express	2			
ALLY EXTRA		metolsulfuron	Ally	2			
		topramezone	Armezon	27			
ARMEZON PRO		dimethylmid-P	Outlook	15			
		sulfentrazone	Spartan	14			
AUTHORITY ASSIST		imazethapyr	Pursuit	2			
		topramezone	Armezon	27			
AUTHORITY ELITE		s-metolachlor	Spartan	14			
		mesotriione	Spartan	14			
AUTHORITY MTZ (Authority Maxx)		metribuzin	Metribuzin	5			
		sulfentrazone	Spartan	14			
AUTHORITY XL (Authority Maxx)		metribuzin	Classic	2			
		iodosulfuron	Autumn	2			
AUTUMN SUPER		halosulfuron	Varro	2			
		mesotriione	Axial XL	1			
AXIAL BOLD		pinosaden	Ricestar	1			
		fenoxaprop	Roundup	1			
BASIS BLEND		rimosulfuron	Resolve	2			
		thifensulfuron	Harmony	2			
BICEP II MAGNUM (Bicep Lite II Magnum)		s-metolachlor	Dual II Magnum	15			
		atrazine	AAtrax	5			
BOUNDARY		metribuzin	Metribuzin	5			
		s-metolachlor	Dual Magnum	15			
BROADAXE XC		metribuzin	Spartan 4F	14			
		sulfentrazone	Maestro	6			
BRONATE ADVANCED		MCPA	MCPA	4			
		s-metolachlor	Dual II Magnum	15			
CALIBRA		mesotriione	Callisto	27			
		chlorimuron	Classic	2			
CALLISTO GT		chlorimuron	Velpar	2			
		mesotriione	Express	2			
CALLISTO XTRA		atrazine	AAtrax	5			
		thienkarbazone	Varro	2			
CAPRENO		metribuzin	Laudis	27			
		chlorimuron	MCPA	4			
CARNIVORE		clopyralid	Stinger	4			
		bromoxynil	Maestro	6			
CINCH ATZ (Cinch ATZ Lite)		s-metolachlor	Dual II Magnum	15			
		atrazine	AAtrax	5			
CLEARPATH		quinclorac	Facet	4			
		imazethapyr	Newpath	2			
COYOTE		topramezone	Callisto	27			
		mesotriione	Resolve	2			
CRUSHER		thifensulfuron	Harmony	2			
		clopyralid	Stinger	4			
CURTAIL		2,4-D					