# HERBICIDE CLASSIFICATION

TakeACTION Herbicide-Resistance Management

*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 and sites of action to assist you in selecting herbicides to...*
***1)** maintain greater diversity in herbicide use and*
***2)** 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 (acetyl CoA carboxylase) | 14 | Aryloxyphenoxypropionate (fops) | clodinafop | ***Discover NG*** |
| | | | | cyhalofop | ***Clincher*** |
| | | | | fenoxaprop | ***Ricestar HT, others*** |
| | | | | fluazifop | ***Fusilade DX*** |
| | | | | quizalofop | ***Assure II, others*** |
| | | | Cyclohexanedione (dims) | clethodim | ***Select Max, others*** |
| | | | | sethoxydim | ***Poast, Poast Plus*** |
| | | | Phenylpyrazoline | pinoxaden | ***Axial XL*** |
| **AMINO ACID SYNTHESIS INHIBITORS** | | | | | |
| 2 | ALS INHIBITORS (acetolactate synthase) | 53 | Imidazolinone | imazamox | ***Raptor, Beyond*** |
| | | | | imazapic | ***Plateau*** |
| | | | | imazapyr | ***Arsenal*** |
| | | | | imazaquin | ***Scepter*** |
| | | | | imazethapyr | ***Pursuit, Newpath*** |
| | | | Pyrimidinyl benzoates | bispyribac | ***Regiment*** |
| | | | | pyrithiobac | ***Staple*** |
| | | | Sulfonylurea | bensulfuron | ***Londax*** |
| | | | | chlorimuron | ***Classic*** |
| | | | | chlorsulfuron | ***Glean*** |
| | | | | halosulfuron | ***Permit, Sandea*** |
| | | | | iodosulfuron | ***Autumn*** |
| | | | | mesosulfuron | ***Osprey*** |
| | | | | metsulfuron | ***Ally*** |
| | | | | nicosulfuron | ***Accent Q, Zest*** |
| | | | | orthosulfamuron | ***Strada*** |
| | | | | primisulfuron | ***Beacon*** |
| | | | | prosulfuron | ***Peak*** |
| | | | | rimsulfuron | ***Matrix, Resolve*** |
| | | | | sulfosulfuron | ***Outrider*** |
| | | | | thifensulfuron | ***Harmony*** |
| | | | | triasulfuron | ***Amber*** |
| | | | | tribenuron | ***Express*** |
| | | | | trifloxysulfuron | ***Envoke*** |
| | | | | triflusulfuron | ***UpBeet*** |
| | | | Triazolinones | flucarbazone | ***Everest, Pre-Pare*** |
| | | | | propoxycarbazone | ***Olympus*** |
| | | | | thiencarbazone | ***Varro*** |
| | | | Triazolopyrimidine - Type 1 | cloransulam | ***FirstRate*** |
| | | | | florasulam | *component of* ***Orion, Quelex, Starane Flex*** |
| | | | | flumetsulam | ***Python*** |
| | | | Triazolopyrimidine - Type 2 | penoxsulam | ***Grasp*** |
| | | | | pyroxsulam | ***PowerFlex HL*** |
| 9 | EPSP SYNTHASE INHIBITOR (5-enolpyruvyl-shikimate-3-phosphate) | 18 | Glycine | glyphosate | ***Roundup,*** *several others* |
| **GROWTH REGULATORS** | | | | | |
| 4 | SYNTHETIC AUXINS (TIR1, AFB1-5 and unknown auxin receptors) | 11 | 6-Arylpicolinates | florpyrauxifen | ***Loyant*** |
| | | | | halauxifen | ***Elevore*** |
| | | | Benzoate | dicamba | ***Banvel, Clarity, DiFlexx, Engenia, Stryker,*** *others* |
| | | | Phenoxy carboxylate | 2,4-D | ***2,4-D, Enlist One,*** *others* |
| | | | | MCPA | ***MCPA,*** *others* |
| | | | Pyridine carboxylate | aminopyralid | ***Milestone*** |
| | | | | clopyralid | ***Stinger*** |
| | | | | halauxifen | ***Elevore*** |
| | | | Pyridyloxy carboxylate | fluroxypyr | ***Starane Ultra*** |
| | | | | triclopyr | ***Garlon, Remedy Ultra*** |
| | | | Quinoline carboxylate | quinclorac | ***Facet*** |
| 19 | AUXIN TRANSPORT INHIBITOR | 0 | Aryl carboxylate | diflufenzopyr | *component of* ***Status*** |
| **PHOTOSYNTHESIS INHIBITORS** | | | | | |
| 5 | PHOTOSYSTEM II INHIBITORS (D1 Serine 264 binders and non-histidine 215 binders) | 28 | Amide | propanil | ***SuperWham*** |
| | | | Triazine | atrazine | ***AAtrex,*** *others* |
| | | | | ametryn | ***Evik*** |
| | | | | prometon | ***Pramitol*** |
| | | | | prometryn | ***Caparol*** |
| | | | | simazine | ***Princep*** |
| | | | Triazinone | hexazinone | ***Velpar*** |
| | | | | metribuzin | ***Metribuzin,*** *others* |
| | | | Triazolinone | amicarbazone | ***Xonerate*** |
| | | | Uracil | terbacil | ***Sinbar*** |
| | | | Urea | diuron | ***Direx, Karmex*** |
| | | | | fluometuron | ***Cotoran*** |
| | | | | linuron | ***Lorox, Linex*** |
| | | | | tebuthiuron | ***Spike*** |
| 6 | PHOTOSYSTEM II INHIBITORS (D1 Histidine 215 binders) | 1 | Benzothiadiazinone | bentazon | ***Basagran,*** *others* |
| | | | Nitrile | bromoxynil | ***Maestro, Moxy,*** *others* |
| | | | Phenyl pyridazine | pyridate | ***Tough*** |
| **NITROGEN METABOLISM INHIBITOR** | | | | | |
| 10 | GLUTAMINE SYNTHETASE INHIBITOR | 4 | Phosphinic acid | glufosinate | ***Liberty Ultra, Rely,*** *others* |
| **PIGMENT INHIBITORS** | | | | | |
| 12 | PHYTOENE DESATURASE (PDS) INHIBITORS | 1 | Diphenyl heterocycle | fluridone | ***Brake, Sonar*** |
| | | | N-Phenyl heterocycle | norflurazon | ***Solicam*** |
| | | | Phenyl ether | diflufenican | ***Convintro*** |
| 13 | DOXP SYNTHASE INHIBITOR (1-DEOXY-D-XYULOSE 5-PHOSPHATE) | 2 | Isoxazolidinone | clomazone | ***Command 3ME*** |
| 27 | HPPD INHIBITORS | 3 | Isoxazole | isoxaflutole | ***Balance Flexx*** |
| | | | Pyrazole | pyrasulfotole | *component of* ***Huskie*** |
| | | | | topramezone | ***Armezon, Impact*** |
| | | | | tolpyralate | ***Shieldex*** |
| | | | Triketone | bicyclopyrone | ***Optogen*** |
| | | | | mesotrione | ***Callisto*** |
| | | | | tembotrione | ***Laudis*** |
| **CELL MEMBRANE DISRUPTERS** | | | | | |
| 14 | PPO INHIBITORS | 7 | Diphenyl ether | acifluorfen | ***Ultra Blazer*** |
| | | | | fomesafen | ***Flexstar, Reflex,*** *others* |
| | | | | lactofen | ***Cobra, Phoenix*** |
| | | | N-Phenylimide | epyrifenacil | ***Empera*** |
| | | | | flumiclorac | ***Resource*** |
| | | | | flumioxazin | ***Valor, Chateau,*** *others* |
| | | | | fluthiacet | ***Cadet*** |
| | | | | saflufenacil | ***Sharpen*** |
| | | | | tiafenacil | ***Reviton, Gamma*** |
| | | | | trifludimoxazin | ***Tirexor**** |
| | | | N-Phenyltriazolinone | carfentrazone | ***Aim*** |
| | | | | sulfentrazone | ***Spartan*** |
| 22 | PHOTOSYSTEM I ELECTRON DIVERTER | 6 | Pyridinium | diquat | ***Reglone*** |
| | | | | paraquat | ***Gramoxone SL*** |
| **SEEDLING ROOT GROWTH INHIBITORS** | | | | | |
| 3 | MICROTUBULE ASSEMBLY INHIBITORS | 6 | Benzamide | pronamide | ***Kerb*** |
| | | | Dinitroaniline | ethalfluralin | ***Sonalan*** |
| | | | | pendimethalin | ***Prowl H2O,*** *others* |
| | | | | trifluralin | ***Treflan,*** *others* |
| | | | Pyridine | dithiopyr | ***Dimension*** |
| **SEEDLING SHOOT GROWTH INHIBITORS** | | | | | |
| 15 | VERY LONG-CHAIN FATTY ACID SYNTHESIS INHIBITORS | 8 | Benzofuran | ethofumesate | ***Nortron*** |
| | | | α-Chloroacetamide | acetochlor | ***Harness, Surpass, Warrant,*** *others* |
| | | | | dimethenamid-P | ***Outlook*** |
| | | | | s-metolachlor | ***Dual Magnum,*** *others* |
| | | | Isoxazoline | pyroxasulfone | ***Zidua*** |
| | | | α-Oxyacetamide | flufenacet | ***Define*** |
| | | | Thiocarbamate | cycloate | ***Ro-Neet*** |
| | | | | EPTC | ***Eradicane, Eptam*** |
| | | | | thiobencarb | ***Bolero*** |
| | | | | tridiate | ***Far-Go*** |
| 29 | CELLULOSE BIOSYNTHESIS INHIBITORS | 3 | Aylkylazine | indaziflam | ***Alion, Esplanade, Rezilon*** |
| | | | Benzamide | isoxaben | ***Gallery, Trellis*** |
| **UNDEFINED** | | | | | |
| 0 | UNKNOWN | 1 | Amide | napropamide | ***Devrinol*** |
| | | | Arsenical | MSMA | ***MSMA*** |

[1] Site of Action Group numbers follow the revised 2024 Herbicide Resistance Action Committee (HRAC) classification.
*Indicates product is not registered for use at the time of printing.

Check for a label and Material Safety Data Sheet at www.cdms.net to confirm status. This chart contains some restricted use pesticides. Always consult label prior to use.

Technical editing for this publication was led by Christy Sprague, Ph.D., Michigan State University, in partnership with other universities in the soybean-growing regions of the United States. The United Soybean Board and all Take Action partners neither recommend nor discourage the implementation of any advice contained herein, and are not liable for the use or misuse of the information provided.

**PRINTED WITH SOY INK** ©2026 United Soybean Board

## 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.*

| PREMIX | COMPONENT ACTIVE INGREDIENT | COMPONENT TRADE NAME | COMPONENT SITE-OF-ACTION GROUP |
|---|---|---|---|
| ACURON | bicyclopyrone | ***Optogen*** | 27 |
| | mesotrione | ***Callisto*** | 27 |
| | atrazine | ***AAtrex*** | 5 |
| ACURON FLEXI | s-metolachlor | ***Dual II Magnum*** | 15 |
| | bicyclopyrone | ***Optogen*** | 27 |
| | mesotrione | ***Callisto*** | 27 |
| ACURON GT | s-metolachlor | ***Dual II Magnum*** | 15 |
| | bicyclopyrone | ***Optogen*** | 27 |
| | mesotrione | ***Callisto*** | 27 |
| | s-metolachlor | ***Dual Magnum*** | 15 |
| | glyphosate | ***glyphosate*** | 9 |
| AFFINITY BROADSPEC (Affinity TankMix) | thifensulfuron | ***Harmony*** | 2 |
| | tribenuron | ***Express*** | 2 |
| AFFORIA | thifensulfuron | ***Harmony*** | 2 |
| | tribenuron | ***Express*** | 2 |
| | fluminoxazin | ***Valor*** | 14 |
| ALLY EXTRA | thifensulfuron | ***Harmony*** | 2 |
| | tribenuron | ***Express*** | 2 |
| | metsulfuron | ***Ally*** | 2 |
| ANTHEM FLEX | pyroxasulfone | ***Zidua*** | 15 |
| | carfentrazone | ***Aim*** | 14 |
| ANTHEM MAXX | pyroxasulfone | ***Zidua*** | 15 |
| | fluthiacet | ***Cadet*** | 14 |
| ARMEZON PRO | topramezone | ***Armezon*** | 27 |
| | dimethenamid-P | ***Outlook*** | 15 |
| AUTHORITY ASSIST | sulfentrazone | ***Spartan*** | 14 |
| | imazethapyr | ***Pursuit*** | 2 |
| AUTHORITY EDGE | sulfentrazone | ***Spartan*** | 14 |
| | pyroxasulfone | ***Zidua*** | 15 |
| AUTHORITY FIRST | sulfentrazone | ***Spartan*** | 14 |
| | cloransulam | ***FirstRate*** | 2 |
| AUTHORITY SUPREME | sulfentrazone | ***Spartan*** | 14 |
| | pyroxasulfone | ***Zidua*** | 15 |
| AUTHORITY XL | sulfentrazone | ***Spartan*** | 14 |
| | chlorimuron | ***Classic*** | 2 |
| AUTUMN SUPER | iodosulfuron | ***Autumn*** | 2 |
| | thiencarbazone | ***Varro*** | 2 |
| AXIAL BOLD | pinoxaden | ***Axial XL*** | 1 |
| | fenoxaprop | ***Ricestar*** | 1 |
| AXIAL STAR | pinoxaden | ***Axial XL*** | 1 |
| | fluroxypyr | ***Starane*** | 4 |
| BASIS BLEND | rimsulfuron | ***Resolve*** | 2 |
| | thifensulfuron | ***Harmony*** | 2 |
| BICEP II MAGNUM (Bicep Lite II Magnum) | s-metolachlor | ***Dual II Magnum*** | 15 |
| | atrazine | ***AAtrex*** | 5 |
| BOUNDARY | s-metolachlor | ***Dual Magnum*** | 15 |
| | metribuzin | ***Metribuzin*** | 5 |
| BROADAXE XC | s-metolachlor | ***Dual Magnum*** | 15 |
| | sulfentrazone | ***Spartan 4F*** | 14 |
| BRONATE ADVANCED | bromoxynil | ***Maestro*** | 6 |
| | MCPA | ***MCPA*** | 4 |
| CALIBRA | s-metolachlor | ***Dual II Magnum*** | 15 |
| | mesotrione | ***Callisto*** | 27 |
| CALLISTO GT | mesotrione | ***Callisto*** | 27 |
| | glyphosate | ***glyphosate*** | 9 |
| CALLISTO XTRA | mesotrione | ***Callisto*** | 27 |
| | atrazine | ***AAtrex*** | 5 |
| CAPRENO | thiencarbazone | ***Varro*** | 2 |
| | tembotrione | ***Laudis*** | 27 |
| CARNIVORE | MCPA | ***MCPA*** | 4 |
| | fluroxypyr | ***Starane*** | 4 |
| | bromoxynil | ***Maestro*** | 6 |
| CLEARPATH | quinclorac | ***Facet*** | 4 |
| | imazethapyr | ***Newpath*** | 2 |
| COLT AS | clopyralid | ***Stinger*** | 4 |
| | fluroxypyr | ***Starane*** | 4 |
| COLT + SALVO | 2,4-D | ***2,4-D*** | 4 |
| | fluroxypyr | ***Starane*** | 4 |
| COLT + SWORD | MCPA | ***MCPA*** | 4 |
| | fluroxypyr | ***Starane*** | 4 |
| CORVUS | thiencarbazone | ***Varro*** | 2 |
| | isoxaflutole | ***Balance Flexx*** | 27 |
| COYOTE | s-metolachlor | ***Dual II Magnum*** | 15 |
| | mesotrione | ***Callisto*** | 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 |
| DIMETRIC CHARGED | metribuzin | ***Metribuzin*** | 5 |
| | fluminoxazin | ***Valor*** | 14 |
| EMPERA VIRAGESS | epyrifenacil | ***Empera*** | 14 |
| | fluminoxazin | ***Valor*** | 14 |
| ENCLOSA | pyroxasulfone | ***Zidua*** | 15 |
| | cloransulam | ***FirstRate*** | 2 |
| ENLIST DUO | acetochlor | ***Enversa*** | 15 |
| | 2,4-D | ***2,4-D*** | 4 |
| | glyphosate | ***glyphosate*** | 9 |
| ENLITE | chlorimuron | ***Classic*** | 2 |
| | thifensulfuron | ***Harmony*** | 2 |
| | fluminoxazin | ***Valor*** | 14 |
| ENVIVE | chlorimuron | ***Classic*** | 2 |
| | thifensulfuron | ***Harmony*** | 2 |
| | fluminoxazin | ***Valor*** | 14 |
| FIERCE EZ | fluminoxazin | ***Valor*** | 14 |
| | pyroxasulfone | ***Zidua*** | 15 |
| FIERCE MTZ | fluminoxazin | ***Valor*** | 14 |
| | pyroxasulfone | ***Zidua*** | 15 |
| | metribuzin | ***Metribuzin*** | 5 |
| FIERCE XLT | fluminoxazin | ***Valor*** | 14 |
| | pyroxasulfone | ***Zidua*** | 15 |
| | chlorimuron | ***Classic*** | 2 |
| FINESSE | chlorsulfuron | ***Glean*** | 2 |
| | metsulfuron | ***Ally*** | 2 |
| FIRSTSHOT | thifensulfuron | ***Harmony*** | 2 |
| | tribenuron | ***Express*** | 2 |
| FULTIME NXT | acetochlor | ***TopNotch*** | 15 |
| | atrazine | ***AAtrex*** | 5 |
| FUSION | fluazifop | ***Fusilade DX*** | 1 |
| | fenoxaprop | ***Puma*** | 1 |
| GOLDSKY | pyroxsulam | ***PowerFlex HL*** | 2 |
| | florasulam | ***------*** | 2 |
| GRAZONNEXT HL | fluroxypyr | ***Starane*** | 4 |
| | aminopyralid | ***Milestone*** | 4 |
| | 2,4-D | ***2,4-D*** | 4 |
| HALEX GT | s-metolachlor | ***Dual Magnum*** | 15 |
| | mesotrione | ***Callisto*** | 27 |
| | glyphosate | ***glyphosate*** | 9 |
| HARMONY EXTRA | thifensulfuron | ***Harmony*** | 2 |
| | tribenuron | ***Express*** | 2 |
| HARNESS MAX | acetochlor | ***Harness*** | 15 |
| | mesotrione | ***Callisto*** | 27 |
| HARNESS XTRA | acetochlor | ***Harness*** | 15 |
| | atrazine | ***AAtrex*** | 5 |
| HORNET | clopyralid | ***Stinger*** | 4 |
| | flumetsulam | ***Python*** | 2 |
| HUSKIE | pyrasulfotole | ***------*** | 27 |
| | bromoxynil | ***Maestro*** | 6 |
| HUSKIE COMPLETE | pyrasulfotole | ***------*** | 27 |
| | bromoxynil | ***Maestro*** | 6 |
| | thiencarbazone | ***Varro*** | 2 |
| HUSKIE FX | pyrasulfotole | ***------*** | 27 |
| | bromoxynil | ***Maestro*** | 6 |
| | fluroxypyr | ***Starane Ultra*** | 4 |
| IMPACT CORE | acetochlor | ***Harness*** | 15 |
| | topramezone | ***Impact*** | 27 |
| IMPACTZ | atrazine | ***AAtrex*** | 5 |
| | topramezone | ***Impact*** | 27 |
| INTERMOL | glufosinate | ***Liberty*** | 10 |
| | s-metolachlor | ***Dual Magnum*** | 15 |
| INTRAVIA DX | amicarbazone | ***Xonerate*** | 5 |
| | metribuzin | ***Metribuzin*** | 5 |
| KATAGON | nicosulfuron | ***Accent Q*** | 2 |
| | tolpyralate | ***Shieldex*** | 27 |
| KEYSTONE NXT (Keystone LA NXT) | acetochlor | ***Surpass NXT*** | 15 |
| | atrazine | ***AAtrex*** | 5 |
| KOCHIAVORE | 2,4-D | ***2,4-D,*** *others* | 4 |
| | fluroxypyr | ***Starane*** | 4 |
| | bromoxynil | ***Maestro*** | 6 |
| KYBER PRO | fluminoxazin | ***Valor*** | 14 |
| | pyroxasulfone | ***Zidua*** | 15 |
| | metribuzin | ***Metribuzin*** | 5 |
| KYRO | acetochlor | ***Surpass NXT*** | 15 |
| | topramezone | ***Impact*** | 27 |
| | clopyralid | ***Stinger*** | 4 |
| LEXAR EZ | mesotrione | ***Callisto*** | 27 |
| | s-metolachlor | ***Dual II Magnum*** | 15 |
| | atrazine | ***AAtrex*** | 5 |
| LUMAX EZ | mesotrione | ***Callisto*** | 27 |
| | s-metolachlor | ***Dual II Magnum*** | 15 |
| | atrazine | ***AAtrex*** | 5 |
| MAVERICK | pyroxasulfone | ***Zidua*** | 15 |
| | clopyralid | ***Stinger*** | 4 |
| | mesotrione | ***Callisto*** | 27 |
| NOVIXID | florpyrauxifen | ***Loyant*** | 4 |
| | penoxsulam | ***Grasp*** | 2 |
| OBEY | clomazone | ***Command 3ME*** | 13 |
| | quinclorac | ***Facet*** | 4 |
| OPENSKY | pyroxsulam | ***PowerFlex HL*** | 2 |
| | fluroxypyr | ***Starane Ultra*** | 4 |
| ORION | florasulam | ***------*** | 2 |
| | MCPA | ***MCPA*** | 4 |
| OSPREY XTRA | mesosulfuron | ***Osprey*** | 2 |
| | thiencarbazone | ***Varro*** | 2 |
| PANOFLEX | mesosulfuron | ***Harmony*** | 2 |
| | tribenuron | ***Express*** | 2 |
| PERFECTMATCH | clopyralid | ***Stinger*** | 4 |
| | fluroxypyr | ***Starane Ultra*** | 4 |
| | pyroxsulam | ***PowerFlex HL*** | 2 |
| PERMIT PLUS | thifensulfuron | ***Harmony*** | 2 |
| | halosulfuron | ***Permit*** | 2 |
| PERPETUO | flumiclorac | ***Resource*** | 14 |
| | pyroxasulfone | ***Zidua*** | 15 |
| PIXXARO EC | fluroxypyr | ***Starane*** | 4 |
| | halauxifen | ***Elevore*** | 4 |
| PREFIX | s-metolachlor | ***Dual Magnum*** | 15 |
| | fomesafen | ***Reflex*** | 14 |
| QUELEX | halauxifen | ***Elevore*** | 4 |
| | florasulam | ***------*** | 2 |
| RAVE | triasulfuron | ***Amber*** | 2 |
| | dicamba | ***Clarity*** | 4 |
| REALM Q | rimsulfuron | ***Resolve*** | 2 |
| | mesotrione | ***Callisto*** | 27 |
| REBELEX | cyhalofop | ***Clincher*** | 1 |
| | penoxsulam | ***Grasp*** | 2 |
| RESICORE REV | clopyralid | ***Stinger*** | 4 |
| | acetochlor | ***Surpass NXT*** | 15 |
| | mesotrione | ***Callisto*** | 27 |
| RESOLVE Q | rimsulfuron | ***Resolve*** | 2 |
| | thifensulfuron | ***Harmony*** | 2 |
| RESTRAINT | acetochlor | ***Harness*** | 15 |
| | tolpyralate | ***Shieldex*** | 27 |
| REVOLIN Q | nicosulfuron | ***Accent Q*** | 2 |
| | mesotrione | ***Callisto*** | 27 |
| REZUVANT | halauxifen | ***Elevore*** | 4 |
| | fluroxypyr | ***Starane Ultra*** | 4 |
| | pinoxaden | ***Axial XL*** | 1 |
| RIDIVEX* | diflufenzopyr | ***------*** | 19 |
| | dicamba | ***Clarity*** | 4 |
| | pyroxasulfone | ***Zidua*** | 15 |
| RIMFIRE MAX | propoxycarbazone | ***Olympus*** | 2 |
| | mesosulfuron | ***Osprey*** | 2 |
| SENTRALLAS | thifensulfuron | ***Harmony*** | 2 |
| | fluroxypyr | ***Starane*** | 4 |
| SEQUENCE | s-metolachlor | ***Dual Magnum*** | 15 |
| | glyphosate | ***glyphosate*** | 9 |
| SINATE | glufosinate | ***Liberty*** | 10 |
| | topramezone | ***Impact*** | 27 |
| SOLSTICE | mesotrione | ***Callisto*** | 27 |
| | fluthiacet | ***Cadet*** | 14 |
| SONIC | sulfentrazone | ***Spartan*** | 14 |
| | cloransulam | ***FirstRate*** | 2 |
| SONIC BOOM | sulfentrazone | ***Spartan*** | 14 |
| | metribuzin | ***Metribuzin*** | 5 |
| SPARTAN CHARGE | sulfentrazone | ***Spartan*** | 14 |
| | carfentrazone | ***Aim*** | 14 |
| STARANE FLEX | florasulam | ***------*** | 2 |
| | fluroxypyr | ***Starane*** | 4 |
| STARANE NXT | fluroxypyr | ***Starane*** | 4 |
| | bromoxynil | ***Maestro*** | 6 |
| STATUS | diflufenzopyr | ***------*** | 19 |
| | dicamba | ***Clarity*** | 4 |
| STEADFAST Q | nicosulfuron | ***Accent Q*** | 2 |
| | rimsulfuron | ***Resolve*** | 2 |
| STOREN | bicyclopyrone | ***Optogen*** | 27 |
| | mesotrione | ***Callisto*** | 27 |
| | s-metolachlor | ***Dual II Magnum*** | 15 |
| | pyroxasulfone | ***Zidua*** | 15 |
| STORM | bentazon | ***Basagran*** | 6 |
| | acifluorfen | ***Ultra Blazer*** | 14 |
| SUPREMACY | fluroxypyr | ***Starane*** | 4 |
| | thifensulfuron | ***Harmony*** | 2 |
| | tribenuron | ***Express*** | 2 |
| SURESTART II | acetochlor | ***Surpass NXT*** | 15 |
| | clopyralid | ***Stinger*** | 4 |
| SURTAIN | flumetsulam | ***Python*** | 2 |
| | saflufenacil | ***Sharpen*** | 14 |
| SURVEIL | pyroxasulfone | ***Zidua*** | 15 |
| | fluminoxazin | ***Valor*** | 14 |
| SYNCHRONY XP | cloransulam | ***FirstRate*** | 2 |
| | chlorimuron | ***Classic*** | 2 |
| TALINOR | thifensulfuron | ***Harmony*** | 2 |
| | bromoxynil | ***Maestro*** | 6 |
| | bicyclopyrone | ***Optogen*** | 27 |
| TARZEC | pyroxsulam | ***PowerFlex HL*** | 2 |
| | halauxifen | ***Elevore*** | 4 |
| TENDOVO | s-metolachlor | ***Dual Magnum*** | 15 |
| | cloransulam | ***FirstRate*** | 2 |
| | metribuzin | ***Metribuzin*** | 5 |
| TOLVERA | bromoxynil | ***Maestro*** | 6 |
| | tolpyralate | ***Shieldex*** | 27 |
| TRIPLEFLEX II | acetochlor | ***Harness*** | 15 |
| | clopyralid | ***Stinger*** | 4 |
| | flumetsulam | ***Python*** | 2 |
| TRIPZIN ZC | pendimethalin | ***Prowl*** | 3 |
| | metribuzin | ***Metribuzin*** | 5 |
| TRIVENCE | chlorimuron | ***Classic*** | 2 |
| | flumioxazin | ***Valor*** | 14 |
| | metribuzin | ***Metribuzin*** | 5 |
| TRIVOLT | flufenacet | ***Define*** | 15 |
| | isoxaflutole | ***Balance Flexx*** | 27 |
| | thiencarbazone | ***Varro*** | 2 |
| VALOR XLT | flumioxazin | ***Valor*** | 14 |
| | chlorimuron | ***Classic*** | 2 |
| VARISTO | imazamox | ***Raptor*** | 2 |
| | bentazon | ***Basagran*** | 6 |
| VELPAR ALFAMAX | hexazinone | ***Velpar*** | 5 |
| | diuron | ***Karmex*** | 5 |
| VERDICT | saflufenacil | ***Sharpen*** | 14 |
| | dimethenamid-P | ***Outlook*** | 15 |
| VIOS FX | thifensulfuron | ***Harmony*** | 2 |
| | fluroxypyr | ***Starane*** | 4 |
| VORAXOR | trifludimoxazin | ***Tirexor**** | 14 |
| | saflufenacil | ***Sharpen*** | 14 |
| WARRANT ULTRA | fomesafen | ***Reflex*** | 14 |
| | acetochlor | ***Warrant*** | 15 |
| WIELD | MCPA | ***MCPA*** | 4 |
| | fluroxypyr | ***Starane*** | 4 |
| | clopyralid | ***Stinger*** | 4 |
| WIDEARMATCH | clopyralid | ***Stinger*** | 4 |
| | fluroxypyr | ***Starane*** | 4 |
| | halauxifen | ***Elevore*** | 4 |
| WIDEMATCH | clopyralid | ***Stinger*** | 4 |
| | fluroxypyr | ***Starane*** | 4 |
| WOLVERINE ADVANCED | fenoxaprop | ***Tecoma*** | 1 |
| | pyrasulfotole | ***------*** | 27 |
| | bromoxynil | ***Maestro*** | 6 |
| YUKON | dicamba | ***Banvel*** | 4 |
| | halosulfuron | ***Permit*** | 2 |
| ZALO | quizalofop | ***Assure II*** | 1 |
| | glufosinate | ***Liberty*** | 10 |
| ZIDUA PLUS | imazethapyr | ***Pursuit*** | 2 |
| | pyroxasulfone | ***Zidua*** | 15 |
| ZIDUA PRO | imazethapyr | ***Pursuit*** | 2 |
| | saflufenacil | ***Sharpen*** | 14 |
| | pyroxasulfone | ***Zidua*** | 15 |
| ZONE DEFENSE | flumioxazin | ***Valor*** | 14 |
| | sulfentrazone | ***Spartan*** | 14 |

For more information and links to additional resources, visit **GROWIWM.org/Take-Action-Home**

This chart was developed with funding from the Soy Checkoff.

SOY CHECKOFF