

HERBICIDE TRADE NAME, COMMON NAME, FORMULATION, AND MANUFACTURER, ORDERED BY WSSA GROUP #

| Trade Name | Common Name | Formulation ¹ | Resistance Management WSSA Group # ² | Manufacturer |
|---------------|--|--------------------------|---|----------------|
| Betasan | bensulide | 4 EC | 0 | Platte |
| Betamec | bensulide | 4 EC | 0 | PBI Gordon |
| Lescosan | bensulide | 4 L (others) | 0 | Lesco |
| Prefar | bensulide | 4 E | 0 | Gowan |
| Pre-san | bensulide | 7 G | 0 | PBI Gordon |
| Acclaim Extra | fenoxaprop | 0.57 E | 1 | Bayer |
| Assure II | quizalofop | 0.88 EC | 1 | AMVAC |
| Axial | pinoxaden | 0.83 EC | 1 | Syngenta |
| Clethodim 2E | clethodim | 2 lb/gal | 1 | Albaugh, LLC |
| Clincher SF | cyhalofop | 2.38 L | 1 | Corteva |
| Envoy | clethodim | 0.94 EC | 1 | Valent |
| Fusilade DX | fluazifop | 2 EC | 1 | Syngenta |
| Illoxan | diclofop | 3 EC | 1 | Bayer |
| Ornamec | fluazifop-P | 0.5 EC | 1 | PBI Gordon |
| Manuscript | pinoxaden | 0.42 EC | 1 | Syngenta |
| Poast | sethoxydim | 1.5 EC | 1 | Microflo |
| Poast Plus | sethoxydim | 1 EC | 1 | Microflo |
| Provisia | quizalofop | 0.88 EC | 1 | BASF |
| Quiz | quizalofop | 1 EC | 1 | HELM |
| Ricestar HT | fenoxaprop | 0.58 EW | 1 | Gowan |
| Select | clethodim | 2 EC | 1 | Valent |
| TapOut | clethodim | 1 EC | 1 | Helena |
| Targa | quizalofop | 0.88 EC | 1 | Gowan |
| Vantage | sethoxydim | 1 EC | 1 | BASF; Microflo |
| Accent Q | nicosulfuron | 54.5 DF | 2 | Corteva |
| Ally XP | metsulfuron | 60 DF | 2 | FMC |
| Arsenal A.C. | imazapyr | 4 AC | 2 | BASF |
| Beacon | primisulfuron | 75 DF | 2 | Syngenta |
| Beyond | imazamox | 1 S | 2 | BASF |
| Cadre | imazapic | 70 DG | 2 | BASF |
| Certainty | sulfosulfuron | 75 DF | 2 | Valent |
| Chopper | imazapyr | 2 SL | 2 | BASF |
| Cimarron Plus | metsulfuron + chlor-sulfuron (48% + 15%) | 63 DF | 2 | Bayer |
| Classic | chlorimuron | 25 DF | 2 | AMVAC |
| Corsair | chlorsulfuron | 75 WDG | 2 | Nufarm |
| Crusher | rimsulfuron + thifensulfuron | 50 DF | 2 | Cheminova |
| Defendor | florasulam | 0.42 SC | 2 | Corteva |
| Envoke | trifloxysulfuron | 75 DG | 2 | AMVAC |
| Escort | metsulfuron | 60 DF | 2 | Bayer |
| Express | tribenuron | 50 SG | 2 | FMC |
| FirstRate | cloransulam | 84 DF | 2 | AMVAC |
| Grasp | penoxsulam | 2 EC | 2 | Corteva |
| Habitat | imazapyr | 2.0 lb/gal | 2 | BASF |
| Halo Max 75 | halosulfuron | 75 WG | 2 | Aceto |
| Harmony SG | thifensulfuron | 50 DF | 2 | FMC |
| Image | imazaquin | 1.5 EC | 2 | BASF |
| League | imazosulfuron | 75 WG | 2 | Valent |
| Katana | flazasulfuron | 25 DF | 2 | PBI Gordon |

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| Londax | bensulfuron | 60 DF | 2 | UPL-NA |
| Manor | metsulfuron | 60 WDG | 2 | Nufarm; Riverdale |
| Matrix | rimsulfuron | 25 DF | 2 | Corteva |
| Monument | trifloxysulfuron | 75 WG | 2 | Syngenta |
| Newpath | imazethapyr | 2 AS | 2 | BASF |
| Osprey | mesosulfuron | 4.5 DF | 2 | Bayer |
| Oust | sulfometuron | 75 WDG | 2 | Bayer |
| Outrider | sulfosulfuron | 75 WDG | 2 | Valent |
| Peak | prosulfuron | 57 DG | 2 | Gowan |
| Patriot | metsulfuron | 60 DF | 2 | Nufarm |
| Permit | halosulfuron | 75 DG | 2 | Gowan |
| Plateau | imazapic | 70 DG | 2 | BASF |
| Preface | imazethapyr | 2 AS | 2 | ADAMA |
| Postscript | imazamox | 1 S | 2 | ADAMA |
| PowerFlex HL | pyroxulam | 13 WG | 2 | Corteva |
| Pursuit | imazethapyr | 2 AS; 70 DG | 2 | BASF |
| Polaris | imazapyr | 2 SL | 2 | Nufarm |
| Python | flumetsulam | 80 WDG | 2 | AMVAC |
| Raptor | imazamox | 1 AS | 2 | BASF |
| Regiment | bispyribac | 80 DF | 2 | Valent |
| Resolve Q | rimsulfuron | 25 DF | 2 | Corteva |
| Revolver | foramsulfuron | 0.19 L | 2 | Bayer |
| Sandea | halosulfuron | 75 DF | 2 | Gowan |
| Scepter | imazaquin | 70 DG | 2 | AMVAC |
| Sedgehammer | halosulfuron | 75 DF | 2 | Gowan |
| Stalker | imazapyr | 2 SL | 2 | BASF |
| Staple LX | pyrithiobac | 3.2 SL | 2 | Corteva |
| Strada | orthosulfamuron | 50 WG | 2 | Nichino America |
| Strongarm | diclosulam | 0.84 L | 2 | Corteva |
| Synchrony XP | chlorimuron + thifensulfuron | 28.4 XP (21.5 + 6.9%) | 2 | Corteva |
| Telar | chlorsulfuron | 75 DF | 2 | Bayer |
| Thunder | imazethapyr | 2 lb/gal | 2 | Albaugh, LLC |
| Zest | nicosulfuron | 75 WDG | 2 | Corteva |
| Treaty | thifensulfuron | 75 DF | 2 | Nufarm |
| Balan | benefin | 60 DF | 3 | Corteva |
| Barricade | prodiamine | 65 WG | 3 | Syngenta |
| Curbit | ethalfluralin | 3 EC | 3 | Platte Chemical |
| Dacthal | DCPA | 75 WP; 6 L | 3 | AMVAC |
| Dimension | dithiopyr | 2 EC | 3 | Corteva |
| Endurance | prodiamine | 65 WDG | 3 | Syngenta |
| Factor | prodiamine | 65 WSG | 3 | Syngenta |
| Kerb | pronamide | 50 W | 3 | Corteva |
| Lesco PRE-M | pendimethalin | 50 WP (others) | 3 | Lesco |
| Pendimax | pendimethalin | 3.3 EC | 3 | Sterling |
| Pendulum | pendimethalin | 3.3 EC; 2 G; 60 WDG | 3 | BASF |
| Pendulum AquaCap | pendimethalin | 3.8 lb/gal | 3 | BASF |

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|------------------------|---------------------------|-------------------------------|---|------------------|
| Preen | trifluralin | 1.47 G | 3 | Lebanon Seaboard |
| Prowl | pendimethalin | 3.3 EC | 3 | BASF |
| Prowl H ₂ O | pendimethalin | 3.8 CS | 3 | BASF |
| Regalkade | prodiamine | 0.5% G | 3 | Regal |
| Satellite Hydrocap | pendimethalin | 3.8 ME | 3 | UPL-NA |
| Sonalan | ethalfuralin | 3 EC | 3 | Gowan |
| Surflan | oryzalin | 4 EC | 3 | UPL-NA |
| Treflan TR-10 | trifluralin | 10 G | 3 | Gowan |
| Treflan HFP | trifluralin | 4 EC | 3 | Gowan |
| 2,4-D amine or ester | 2,4-D | several | 4 | several |
| 2,4-DB | 2,4-DB | several | 4 | several |
| Banvel | dicamba | 4 SL | 4 | Microflo |
| Banvel II | dicamba | 2 SL | 4 | Microflo |
| Barrage HF | 2,4-D ester | 4.7 EC | 4 | Helena |
| Butoxone 200 | 2,4-DB | 2 SL | 4 | Cedar Chemical |
| Butyrac 175 | 2,4-DB | 1.75 lb/gal | 4 | Albaugh, LLC |
| Butyrac 200 | 2,4-DB | 2 lb/gal | 4 | Albaugh, LLC |
| Clarity | dicamba | 4 S | 4 | BASF |
| Clean Slate | clopyralid | 3 SL | 4 | Nufarm |
| Clash | dicamba | 4 SL | 4 | Nufarm |
| Drive | quinclorac | 75 DF | 4 / 29 | BASF |
| Diablo | dicamba | 4 SL | 4 | Nufarm |
| Elevore | halauxifen-methyl | 0.572 SL lb ae/gal | 4 | Corteva |
| Engenia | dicamba | 5 lb ae/gal | 4 | BASF |
| Enlist One | 2,4-D choline | 3.8 SL | 4 | Corteva |
| Facet, Facet L | quinclorac | 75 DF, 1.5 L | 4 / 29 | BASF |
| Forestry Garlon 4 | triclopyr | 4 SL | 4 | Corteva |
| Formula 40 | 2,4-D | 3.8 SL | 4 | Aventis |
| Garlon | triclopyr | 4 L; 3 L | 4 | Corteva |
| Grandstand R | triclopyr | 3 SL | 4 | Corteva |
| GrazonNext HL | aminopyralid + 2,4-D | 3 lb/gal (0.33 + 2.67 lb/gal) | 4 | Corteva |
| Latigo | 2,4-D acid + dicamba acid | 2.4 lb/gal + 1.8 lb/gal | 4 | Helena |
| Lontrel | clopyralid | 3 L | 4 | Corteva |
| Loyant | florpyauxifen-benzyl | 0.21 EC | 4 | Corteva |
| MCP amine | MCPA | 4 SL | 4 | Loveland; Platte |
| MCPP | MCPP | 4 L | 4 | Verdicon |
| Mecomec | mecoprop | 2.5 L | 4 | PBI Gordon |
| Milestone | aminopyralid | 2 lb/gal | 4 | Corteva |

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| Opti-Amine | 2,4-D | 3.8 EC | 4 | Helena |
| Opti-DGA | dicamba | 4 SL | 4 | Helena |
| PastureGard HL | triclopyr + fluroxypyr | 1.5 + 0.5 | 4 | Corteva |
| Pathfinder II | triclopyr | 0.75 SL | 4 | Corteva |
| Remedy Ultra | triclopyr | 4 SL | 4 | Corteva |
| Renovate | triclopyr | 3.0 lb/gal | 4 | SePro |
| Quinstar | quinclorac | 4 L | 4 / 29 | Albaugh, LLC |
| Status | dicamba | 40% SL | 4 | BASF |
| Stinger | clopyralid | 3 SL | 4 | Corteva |
| Surmount | picloram + fluroxypyr | 1.19 + 0.96 | 4 | Corteva |
| Tahoe 3A | triclopyr amine | 3 SL | 4 | Nufarm |
| Tordon 22K | picloram | 2 SL | 4 | Corteva |
| Tordon K | picloram | 2 SL | 4 | Corteva |
| Transline | clopyralid | 3 L | 4 | Corteva |
| Turflon Ester | triclopyr | 4 L | 4 | Corteva |
| Unison | 2,4-D | 1.74 EC | 4 | Helena |
| Vanquish | dicamba | 4 SL | 4 | Syngenta |
| Weedar 64 | 2,4-D | 3.8 SL | 4 | Nufarm |
| Vista | fluroxypyr | 2.8 SL | 4 | Corteva |
| Xtendimax | dicamba | 2.9 lb ae/gal | 4 | Bayer |
| AAtrex | atrazine | 4L, 90 DF | 5 | Syngenta |
| Caparol | prometryn | 80 DF; 4 L | 5 | Syngenta |
| Cotoran | fluometuron | 4 L; 80 DF | 5 | ADAMA |
| Direx | diuron | 4 L | 5 | ADAMA |
| Hyvar X | bromacil | 80 WP | 5 | Bayer |
| Karmex | diuron | 4 L; 80 DF | 5 | ADAMA |
| Linex | linuron | 4 L | 5 | NovaSource |
| Pramitol | prometon | 25 E (25% active liquid) | 5 | Agrilience |
| Princep | simazine | 4 L; 90 DG | 5 | Syngenta |
| Pronone | hexazinone | 10 G; 2.5 G | 5 | Proserve |
| Pyramin | pyrazon | 65 DF | 5 | Microflo |
| Spike | tebuthiuron | 80 DF; 20 P | 5 | Corteva |
| Spin-Aid | phenmedipham | 1.3 L | 5 | Bayer |
| Stam M4 | propanil | 4 L; 80 DF | 5 | UPL-NA |
| Super Wham | propanil | 4 EC | 5 | UPL-NA |
| Tricor DF | metribuzin | 75 DF | 5 | UPL-NA |
| Tupersan | siduron | 50 WP | 5 | PBI Gordon; Gowan |
| Velpar | hexazinone | 75 DF; 2 L | 5 | Bayer |
| Basagran | bentazon | 4 SL | 6 | Microflo |
| Buctril | bromoxynil | 4 EC; 2 EC | 6 | Bayer |
| Tough | Pyridate | 5 EC | 6 | Belchim |

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|-------------------------|-------------------------------|---------------------------|---|---------------------|
| Accord Concentrate | glyphosate | 4 SL (acid eq.) | 9 | Corteva |
| glyphosate formulations | glyphosate | various | 9 | various |
| Credit Xtreme | glyphosate | 4.5 SL (acid eq.) | 9 | Nurfarm |
| Roundup formulations | glyphosate | various | 9 | Bayer |
| Touchdown HiTech | glyphosate | 5 SL (acid eq.) | 9 | Syngenta |
| Touchdown IQ | glyphosate | 3 SL (acid eq.) | 9 | Syngenta |
| Touchdown Total | glyphosate | 4.17 SL (acid eq.) | 9 | Syngenta |
| Cheetah | glufosinate | 2.34 SL | 10 | Nufarm |
| Finale | glufosinate | 1 SL | 10 | Bayer |
| Interline | glufosinate | 2.34 SL | 10 | UPL-NA |
| Liberty | glufosinate | 2.34 SL | 10 | BASF |
| Rely | glufosinate | 2.34 SL | 10 | BASF |
| Surmise | glufosinate | 2.34 lb/gal | 10 | Albaugh, LLC |
| Brake | fluridone | 1.2 lb/gal | 12 | SePRO |
| Predict | norflurazon | 78.6 DF | 12 | Syngenta |
| Solicam | norflurazon | 78.6 DF | 12 | Syngenta |
| Caravel | clomazone | 3 ME | 13 | Sipcam Agro |
| Command | clomazone | 3 ME | 13 | FMC |
| Upstage | clomazone | 3 CS | 13 | UPL |
| Vopak | clomazone | 3 ME | 13 | ADAMA |
| Aim | carfentrazone | 2 EC | 14 | FMC |
| Battle Star | fomesafen | 1.88 lb/gal | 14 | Albaugh, LLC |
| BroadStar | flumioxazin | 51% WDG | 14 | Valent |
| Cadet | fluthiacet methyl | 0.91 EC | 14 | FMC |
| Cobra | lactofen | 2 EC | 14 | Valent |
| Delta Goal | oxyfluorfen | 4 EC | 14 | Corteva |
| Dismiss | sulfentrazone | 4L | 14 | FMC |
| Zone | sulfentrazone | 4F | 14 | HELM |
| Flexstar, Rhythm | fomesafen | 1.88 ME | 14 | Syngenta; Cheminova |
| Goal 2XL | oxyfluorfen | 2 EC | 14 | Corteva |
| Marvel | fomesafen + fluthiacet-methyl | 35 C (2.88 + 0.12 lb/gal) | 14 | FMC |
| Quicksilver | carfentrazone | 1.9 L | 14 | FMC |
| Reflex, Dawn | fomesafen | 2 LC | 14 | Syngenta; Cheminova |
| Resource | flumiclorac | 0.86 EC | 14 | Valent |
| Ronstar | oxadiazon | 50 SP; 2 G | 14 | Bayer |
| Sharpen | saflufenacil | 2.85 SC | 14 | BASF |
| Sinister | fomesafen | 2.87 lb/gal | 14 | Helena |
| Spartan | sulfentrazone | 4 F | 14 | FMC |
| Spartan Charge | carfentrazone + sulfentrazone | 4.5L (0.35 + 3.15 lb/gal) | 14 | FMC |

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| Sureguard | flumioxazin | 0.25% G | 14 | Valent |
| Ultra Blazer | acifluorfen | 2 SL | 14 | UPL-NA |
| Reviton | tiafenacil | 2.83 SC | 14 | HELM |
| Valor | flumioxazin | 51 WDG | 14 | Valent |
| Bolero | thiobencarb | 8 EC | 15 | Valent |
| Cinch | S-metolachlor | 7.64 EC | 15 | Corteva |
| Degree | acetochlor | 3.8 SL | 15 | Bayer |
| Devrinol | napropamide | 2 G; 2 EC | 15 | UPL-NA |
| Dual II Magnum | S-metolachlor | 7.64 EC | 15 | Syngenta |
| Dual Magnum | S-metolachlor | 7.62 EC | 15 | Syngenta |
| Eptam | EPTC | 7 EC | 15 | Gowan |
| Fearless | acetochlor | 7 EC | 15 | HELM |
| Harness, Warrant | acetochlor | 7 EC | 15 | Bayer |
| Helmet | metolachlor | 7.8 EC | 15 | HELM |
| Moccasin II Plus | S-metolachlor | 7.64 EC | 15 | UPL-NA |
| Outlook | dimethenamid-p | 6 EC | 15 | BASF |
| Parrlay | metolachlor | 8 EC | 15 | Bayer |
| Pennant Magnum | S-metolachlor | 7.62 EC | 15 | Syngenta |
| Ro-Neet | cycloate | 6 E | 15 | Helm |
| Tower | dimethenamid | 6 lb/gal | 15 | BASF |
| Zidua | pyroxasulfone | 4.17 SC | 15 | BASF |
| Prograss | ethofumesate | 1.5 EC | 16 | Bayer |
| DSMA Plus | DSMA | 3.8 SL | 17 | UAP-Loveland |
| MSMA (others) | MSMA | 6 SL; 6.6 SL | 17 | several |
| Alanap | naptalam | 2 L | 19 | Crompton Uniroyal |
| Asulox | asulam | 3.34 L | 18 | UPL |
| Casoron | dichlobenil | 2 G; 4 G | 20 | Crompton |
| Dyclomec | dichlobenil | 4 G | 20 | PBI Gordon |
| Norosac | dichlobenil | 4 G | 20 | PBI Gordon |
| Gallery | isoxaben | 75 DF | 21 | Corteva |
| Gramoxone | paraquat | 3 SL | 22 | Syngenta |
| Quick-Quat | paraquat | 3 SL | 22 | ADAMA |
| Helmquat | paraquat | 3 SL | 22 | HELM |
| Reward | diquat | 2 SL | 22 | Syngenta |
| Basamid Granular | dazomet | 99 G | 26 | BASF |
| Krenite S | fosamine | 4 S | 26 | Corteva |
| Argos | mesotrione | 4 L | 27 | HELM |
| Balance Flexx | isoxaflutole | 2.05 L | 27 | Bayer |
| Callisto | mesotrione | 4 L | 27 | Syngenta |
| Impact, Armezon | topramezone | 2.8 L | 27 | AMVAC; BASF |
| Laudis | tembotrione | 3.5 L | 27 | Bayer |
| Motif | mesotrione | 4 SL | 27 | UPL-NA |
| Rogue | benzobicyclon | 3.4 SC | 27 | Gowan |
| Shieldex | tolpyralate | 3.33 SC | 27 | Summit Agro |
| Rezilon | indaziflam | 1.67 lb/gal | 29 | Bayer |

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|------------------------------|---|--|--|---------------------|
| Goosegrass/Crabgrass Control | bensulide + oxadiazon | 5.25 G | 0, 14 | Scott's |
| Fusion | fluazifop + fenoxaprop | 2.56 EC (2 + 0.56 lb/gal) | 1, 1 | Syngenta |
| Exceed | primisulfuron + prosulfuron | 57 DF (28.5 + 28.5%) | 2, 2 | Syngenta |
| Finesse Cereal and Fallow | chlorsulfuron + metsulfuron | 75 DF (62.5 + 12.5%) | 2, 2 | FMC |
| FirstShot SG | thifensulfuron + tribenuron | 50% SG (25% + 25%) | 2, 2 | FMC |
| Frontrow | cloransulam + flumetsulam | co-pack 84% + 80% | 2, 2 | Corteva |
| Gambit | halosulfuron + prosulfuron | 79 WDG (50 + 29%) | 2, 2 | Gowan |
| Harmony Extra SG | thifensulfuron + tribenuron | 50 SG (33.3 + 16.7%) | 2, 2 | FMC |
| Landmark II MP | sulfometuron + chlorsulfuron | 75 DG (56.25 + 18.75%) | 2, 2 | Corteva |
| LeadOff | rimsulfuron + thifensulfuron | 33.4 SG (16.7 + 16.7%) | 2, 2 | Corteva |
| Lightning | imazethapyr + imazapyr | 70 DG (52.5 + 17.5%) | 2, 2 | BASF |
| Permit Plus | halosulfuron + thifensulfuron | 75 DF (67 + 8%) | 2, 2 | Gowan |
| Resolve Q | rimsulfuron + thifensulfuron-methyl | 22.4 DG (18.4 + 4%) | 2, 2 | Corteva |
| Steadfast Q | nicosulfuron + rimsulfuron | 38 DG (25 + 13%) | 2, 2 | Corteva |
| Afforia | thifensulfuron + tribenuron + flumioxazin | 50.8 DG (5 + 5 + 40.8%) | 2, 2, 14 | Corteva |
| Chaparral | aminopyralid + metsulfuron | 72 DF (62 + 9%) | 2, 4 | Corteva |
| Novixid | florpyrauxifen-benzyl + penoxsulam | 0.27 SC (0.10 + 0.17 lb/gal) | 2, 4 | Corteva |
| Rinde | bispyribac + quinclorac | 1.62 L (0.12 + 1.5 lb/gal) | 2, 4/29 | AMVAC |
| Yukon | halosulfuron + dicamba | 67.5 WSG (12.5 + 55%) | 2, 4 | Gowan |
| Cimarron Max | two-part mix: metsulfuron and 2,4-D + dicamba | 60 DF and 1.87 + 1 lb/gal | 2, 4, 4 | Corteva |
| SureStart II | flumetsulam + clopyralid + acetochlor | 4.25 EC (0.12 + 0.38 + 3.75 lb/gal) | 2, 4, 15 | Corteva |
| Oustar | sulfometuron + hexazinone | 75 DG (11.8 + 63.2%) | 2, 5 | Corteva |
| Envive | chlorimuron + flumioxazin + thifensulfuron | 41.3 WDG (9.2% + 29.2% + 0.9%) | 2, 14, 2 | Corteva |
| Enlite | chlorimuron + flumioxazin + thifensulfuron | 47.9 WDG (2.85 + 36.21 + 8.8%) | 2, 14, 2 | Corteva |
| Trivence | chlorimuron + flumioxazin + metribuzin | 61.3 DG (3.9 + 12.8 + 44.6%) | 2, 14, 5 | Corteva |
| Realm Q | rimsulfuron + mesotrione | 38.75 DG (7.5 + 31.25%) | 2, 27 | Corteva |
| RiceOne CS | pendimethalin + clomazone | 3.69 CS (2.61 + 1.08 lb/gal) | 3, 13 | UPL-NA |
| Tripzin ZC | pendimethalin + metribuzin | 4 ZC (2.9 + 1.1 lb/gal) | 3, 5 | UPL-NA |
| Strategy | ethafluralin + clomazone | 2.1 EC (1.6 + 0.5 lb/gal) | 3, 13 | Platte; Loveland |
| Ornamental Herbicide II | pendimethalin + oxyfluorfen | 3 G (1 + 2%) | 3, 14 | Scott's |
| Rout | oryzalin + oxyfluorfen | 3 G (1 + 2%) | 3, 14 | Scott's Sierra |
| Snapshot 2.5 TG | trifluralin + isoxaben | 2.5 G (2 + 0.5%) | 3, 21 | Corteva |
| Showcase | trifluralin + isoxaben + oxyfluorfen | 2.5 G | 3, 21, 14 | Corteva |
| Confront | triclopyr + clopyralid | 3 L (2.25 + 0.75 lb/gal) | 4, 4 | Corteva |
| Crossbow | 2,4-D + triclopyr | 3 S (2 + 1 lb/gal) | 4, 4 | Corteva |
| Grazon P + D | picloram + 2,4-D | 2.54 L (0.54 + 2 lb/gal) | 4, 4 | Corteva |
| Outlaw | 2,4-D + dicamba | 2.55 EC (1.45 + 1.1 lb/gal) | 4, 4 | Helena |
| Overdrive | dicamba + diflufenzopyr | 0.7 L (0.5 + 0.2 lb/gal) | 4, 4 | Helena |
| Chaser | 2,4-D + triclopyr | 3 S (2 + 1 lb/gal) | 4, 4 | Loveland |
| Pathway | picloram + 2,4-D | ready-to-use liquid (3 + 11.2% active) | 4, 4 | Corteva |
| Redeem R & P | triclopyr + clopyralid | 3 L (2.25 + 0.75 lb/gal) | 4, 4 | Corteva |
| Status | dicamba + diflufenzopyr | 56% EC (40 + 16%) | 4, 4 | BASF |
| Weedmaster | dicamba + 2,4-D | 3.87 SL (1 + 2.87 lb/gal) | 4, 4 | Nufarm |
| Trimec, Endrun | 2,4-D + mecoprop + dicamba | various | 4, 4, 4 | various |
| DuraCor | aminopyralid + florpyrauxifen-benzyl | 0.667 + 0.067 lb/gal | 4, 4 | Corteva |

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| Trimec Ester, Triamine | 2,4-D + MCPA + dicamba | 3.96 SL (2.44 + 1.3 + 0.22 lb/gal) | 4, 4, 4 | Various |
| Enlist Duo | 2,4-D choline + glyphosate | 3.3 SL (16 lb/gal + 1.7 lb/gal) | 4, 9 | Corteva |
| Obeys | quinclorac + clomazone | 2.5 ZC (1.25 + 1.25 lb/gal) | 4 / 29, 13 | FMC |
| Tavium | dicamba + S-metolachlor | 3.38 CS (1.12 + 2.26 lb/gal) | 4, 15 | Syngenta |
| Suprend | prometryn +trifloxysulfuron | 80 WG (79.3 + 0.7%) | 5, 2 | Syngenta |
| Cloak | metribuzin + chlorimuron | 75 DG (64.3 + 10.7%) | 5, 2 | Nufarm |
| Duet | propanil + bensulfuron | 60 DF (60 + 0.46%) | 5, 2 | UPL-NA |
| Krovar | bromacil + diuron | 80 DF (40 + 40%) | 5, 5 | Corteva |
| RiceBeaux | propanil + thiobencarb | 6 SL (35% + 31%) | 5, 8 | UPL-NA |
| Intimidator | metribuzin + fomesafen + S-metolachlor | 4.81 SL (0.75 + 0.67 + 3.39 lb/gal) | 5, 14, 15 | Loveland |
| Prompt | bentazon + atrazine | 5 L (2.5 + 2.5 lb/gal) | 6, 5 | Microflo |
| Storm | bentazon + acifluorfen | 4 SL (2.67 + 1.33 lb/gal) | 6, 14 | UPL-NA |
| Journey | glyphosate + imazapic | 1.5 + 0.75 SL | 9, 2 | BASF |
| OneStep | glyphosate + imazapyr | 2.16 L (1.53 + 0.637 lb/gal) | 9, 2 | BASF |
| Costarr | glyphosate + dicamba | 2.1 EC (1.5 + 0.6 lb/gal) | 9, 4 | Albaugh |
| Landmaster | glyphosate + 2,4-D | 3.1 EC (1.2 + 1.9 lb/gal) | 9, 4 | Albaugh |
| Sequence | glyphosate + S-metolachlor | 5.25 F (2.25 + 3 lb/gal) | 9, 15 | Syngenta |
| Authority First | sulfentrazone + cloransulam | 0.7 DF (0.62 + 0.08 lb/lb) | 14, 2 | FMC |
| Authority Maxx | sulfentrazone + chlorimuron ethyl | 66 DF (0.62 + 0.04 lb/lb) | 14, 2 | FMC |
| Authority XL | sulfentrazone + chlorimuron | 0.7 DG (0.62 + 0.08 lb/lb) | 14, 2 | FMC |
| OpTill | saflufenacil + imazethapyr | 68 WG (17.8 + 50.2) | 14, 2 | BASF |
| Surveil | flumioxazin + cloransulam | 48 WDG (36% + 12%) | 14, 2 | Corteva |
| Valor XLT | flumioxazin + chlorimuron | 40.3 WDG (30% + 10.3%) | 14, 2 | Valent |
| Zone Maxx | sulfentrazone + chlorimuron ethyl | 66 DF (0.62 + 0.04 lb/lb) | 14, 2 | HELM |
| Zidua Pro | saflufenacil + imazethapyr + pyroxasulfone | 4.09 SC (0.48 + 1.33 + 2.28 lb/gal) | 14, 2, 15 | BASF |
| Echelon | sulfentrazone + prodiamine | 4 SC | 14, 3 | FMC |
| Avenue South | sulfentrazone + penoxsulam + 2,4-D + dicamba | 0.8 EC (0.06 + 0.06 + 0.53 + 0.15 lb/gal) | 14, 2, 4, 4 | PBI Gordon |
| Power Zone | carfentrazone + MCPA + mecoprop + dicamba | 2.9 EC (0.04 + 2.21 + 0.44 + 0.22 lb/gal) | 14, 4, 4, 4 | PBI Gordon |
| Speed Zone | carfentrazone + mecoprop + 2,4-D + dicamba | 2.2 EC (0.05 + 1.53 + 0.48 + 0.14 lb/gal) | 14, 4, 4, 4 | PBI Gordon |
| Surge | sulfentrazone + 2,4-D + MCPP + dicamba | 2.2 EC (1.4 + 0.5 + 0.2 + 0.06 lb/gal) | 14, 4, 4, 4 | PBI Gordon |
| Authority MTZ | sulfentrazone + metribuzin | 45 DG (18 + 27%) | 14, 5 | FMC |
| Battle Star GT | fomesafen + glyphosate | 2.8L (0.54 + 2.26) | 14, 9 | Albaugh, LLC |
| Flexstar GT 3.5 | fomesafen + glyphosate | 2.8 L (0.56 + 2.26 lb/gal) | 14, 9 | Syngenta |
| Display | carfentrazone + fluthiacet-methyl | 4.3 SE (4.174 + 0.126 lb/gal) | 14, 14 | FMC |
| Zone Defense | sulfentrazone + flumioxazin | 77 WDG (62 + 15%) | 14, 14 | HELM |
| Anthem Maxx | pyroxasulfone + fluthiacet-methyl | 2.15 SE (2.087 + 0.063 lb/gal) | 14, 15 | FMC |
| Authority Edge | sulfentrazone + pyroxasulfone | 4.25 SC (2.73 + 1.52 lb/gal) | 14, 15 | FMC |
| Authority Elite, BroadAxe XC | sulfentrazone + S-metolachlor | 7 EC (0.7 + 6.3 lb/gal) | 14, 15 | FMC/Syngenta |

HERBICIDE TRADE NAME, COMMON NAME, FORMULATION, AND MANUFACTURER, ORDERED BY WSSA GROUP # [cont.]

| Trade Name | Common Name | Formulation ¹ | Resistance Management WSSA Group # ² | Manufacturer |
|----------------------|---|--|---|--------------|
| Zone Elite | sulfentrazone + metolachlor | 7 EC (0.7 + 6.3 lb/gal) | 14, 15 | HELM |
| Authority Supreme | sulfentrazone + pyroxasulfone | 4.16 SC (2.08 + 2.08 lb/gal) | 14, 15 | FMC |
| Perpetuo | flumiclorac + pyroxasulfone | 2.3 SC (0.59 + 1.71 lb/gal) | 14, 15 | Valent |
| Prefix | S-metolachlor + fomesafen | Co-Pak (7.62 EC/2 LC) | 14, 15 | Syngenta |
| Verdict | saflufenacil + dimethenamid | 5.57 EC (0.57 + 5.0) | 14, 15 | BASF |
| Freehand | dimethenamid + pendimethalin | 1.75 G | 15, 3 | BASF |
| Axiom | flufenacet + metribuzin | 68 DF (54.4 + 13.6%) | 15, 5 | Bayer |
| Bicep II Magnum | S-metolachlor + atrazine | 5.5 L (3.1 + 2.4 lb/gal) | 15, 5 | Syngenta |
| Bicep Lite II Magnum | S-metolachlor + atrazine | 6 L (3.33 + 2.67 lb/gal) | 15, 5 | Syngenta |
| Boundary | S-metolachlor + metribuzin | 7.8 EC (6.3 + 1.5 lb/gal); 6.5 EC (5.25 + 1.25 lb/gal) | 15, 5 | Syngenta |
| Cinch ATZ | S-metolachlor + atrazine | 5.5 F (3.1 + 2.4 lb/gal) | 15, 5 | Corteva |
| Degree Xtra | acetochlor + atrazine | 4 SL | 15, 5 | Bayer |
| Fearless Xtra 5.6 | acetochlor + atrazine | 5.6 L (3.1 + 2.5 lb/gal) | 15, 5 | HELM |
| Harness Extra | acetochlor + atrazine | 5.6 L (3.1 + 2.5 lb/gal); 6 L (4.3 + 1.7 lb/gal) | 15, 5 | Bayer |
| Keystone | acetochlor + atrazine | 5.5 L (3 + 2.5 lb/gal) | 15, 5 | Corteva |
| Lariat | alachlor + atrazine | 4 L (2.5 + 1.5 lb/gal) | 15, 5 | Bayer |
| Tendovo | S-metolachlor + metribuzin + cloransulam-methyl | 4.18 ZC (3.47 + 0.642 + 0.065 lb/gal) | 15, 5, 2 | Syngenta |
| Resicore XL | acetochlor + mesotrione + clopyralid | 3.26 ZC (2.8 + 0.27 + 0.19 lb/gal) | 15, 27, 4 | Corteva |
| Acuron | S-metolachlor + atrazine + bicyclopyrone + mesotrione | 3.44 L (2.14 lb + 1.0 lb + 0.06 lb + 0.24 lb) | 15, 5, 27 | Syngenta |
| Helmet Maxx | metolachlor + atrazine + mesotrione | 3.578 L (1.7 + 1.66 + 0.218 lb/gal) | 15, 5, 27 | HELM |
| Acuron GT | S-metolachlor + glyphosate + mesotrione + bicyclopyrone | 4.3 ZC (2 + 2 + 0.2 + 0.095 lb/gal) | 15, 9, 27 | Syngenta |
| Anthem Flex | pyroxasulfone + carfentrazone | 4 SE (3.733 + 0.267 lb/gal) | 15, 14 | FMC |
| Fierce | pyroxasulfone + flumioxazin | 76 WDG | 15, 14 | Valent |
| Armezon PRO | dimethenamid + topramezone | 5.35 EC (5.25 + 0.1 lb/gal) | 15, 27 | BASF |
| Coyote | S-metolachlor + mesotrione | 3.67 SC (3.34 + 0.33 lb/gal) | 15, 27 | UPL-NA |
| Harness MAX | acetochlor + mesotrione | 3.85 L (3.52 + 0.33 lb/gal) | 15, 27 | Bayer |
| Restraint | acetochlor + tolypyralate | 6.50 EC (6.404 + 0.094 lb/gal) | 15, 27 | Summit Agro |
| Moccasin MTZ | S-metolachlor + metribuzin | 4.46 EC (3.35 + 1.11 lb/gal) | 15, 5 | UPL-NA |
| Corvus | isoxoflutole + thienencarbazone | 2.63 SC (0.75 + 1.88) | 27, 2 | Bayer |
| ImpactZ | topramezone + atrazine | 4.26 L (0.26 + 4 lb/gal) | 27, 5 | AMVAC |
| Sinate | topramezone + glufosinate | 2.57 L (0.1 + 2.47 lb/gal) | 27, 10 | AMVAC |
| Impact Core | topramezone + acetochlor | 7.15 L (0.07 + 7.08 lb/gal) | 27, 15 | AMVAC |
| Halex GT | mesotrione + S-metolachlor + glyphosate | 4.4 L (0.209 + 2.09 + 2.09) | 27, 15, 9 | Syngenta |

¹ Liquid formulations include AC, applicator's concentration; CS, aqueous capsule suspension; E, EC or EW, emulsifiable concentrate; F, flowable; L, liquid; ME, micro-encapsulated; SL, soluble liquid; S, suspension. Dry formulations include DF, dry flowable; DG, dispersible granules; G, granules; SP, soluble powder; W, WG or WDG, wettable dispersible granules; WP, wettable powder; WSG, wettable soluble granule.

² Herbicide classification according to primary site of action as described by Weed Science Society of America (WSSA) (number designation) and Herbicide Resistance Action Committee (HRAC) (letter designation). From Mallory-Smith

and Retzinger. Rotating herbicides so plants are not exposed to a single herbicidal mode of action for several seasons or plant generations is highly recommended as part of a resistance-management program. The classification presented here can be used as a tool to choose herbicides in different site-of-action groups so that mixtures or rotations of active ingredients can be planned. An attempt should be made to rotate herbicides designated with the same number or letter to those with different numbers or letters (i.e., different sites or modes of action). See table on page 19 for sites of action associated with each classification.