

# North Dakota Herbicide Compendium

The listings are approximate average retail prices for small quantities. Herbicide prices do not include cost of additives, surfactants, oils, fertilizer or application costs. Prices vary depending on area of the state, wholesaler, bulk discounts, seasonal changes, quantities purchased and particular programs the manufacturing company offers. Consult local agricultural suppliers for exact price in area.

Product <sup>Site of action-pg 100-101</sup>	Company	Brand equiv.	Active Ingredients	Formulation	\$/Unit	Product/A			Cost \$/A		
						Low	Med	High	Low	Med	High
Aatrex 4L <sup>5</sup>	Syngenta	-	atrazine	4F	24.00 gal	0.75 pt	1.5 pt	2 pt	2.25	4.50	6.00
Aatrex Nine-O <sup>5</sup>	"	-	atrazine	90DF	5.35 lb	0.42 lb	0.56 lb	0.83 lb	2.25	4.50	6.00
Abundit Edge <sup>9</sup>	Dupont	RU PM	glyphosate-k salt	4.5SL	25.00 gal	22 fl oz	32 fl oz	44 fl oz	4.30	6.25	8.60
Accent Q <sup>2</sup>	Dupont	Accent	nicosulfuron + isoxadifen safener	54.5DF	34.00 oz	0.67 oz	1.25 oz	1.8 oz	22.80	42.50	61.20
Accurate <sup>2</sup>	Cheminova	Ally	metsulfuron-methyl	60DF	5.00 oz	0.05 oz	0.1 oz	0.3 oz	0.25	0.50	1.50
Accurate Extra <sup>2,2,2</sup>	"	Ally Extra	thifensulf & triben & metsulfuron	37.50+18.75+15DF	4.25 oz	10 A/pk	-	5 A/pk	0.85	-	1.70
Acumen <sup>3</sup>	Tenkoz	Prowl	pendimethalin	3.3EC	35.00 gal	2.4 pt	3 pt	3.64 pt	10.50	13.15	15.95
Acuron <sup>5,15,27,27</sup>	Syngenta	-	atra&meto&meso&bicyclo&benox	1+2.14+0.24+.06ZC	72.00 gal	1.5 qt	2.25 qt	3 qt	27.00	40.50	54.00
Acuron Flexi <sup>15,27,27</sup>	Syng	-	meto & meso & bicyclo & benox	2.86+0.32+.08ZC	92.00 gal	1.2 qt	-	2.25 qt	27.60	-	52.00
Affinity BrdSpec <sup>2,2</sup>	FMC	-	thifensulfuron & tribenuron 1:1	25 + 25SG	13.00 oz	0.4 oz	0.6 oz	1 oz	5.20	7.80	13.00
Affinity TankMix <sup>2,2</sup>	FMC	-	thifensulfuron & tribenuron 4:1	40 + 10SG	10.00 oz	0.6 oz	0.75 oz	1 oz	6.00	7.50	10.00
Afforia <sup>2,2,14</sup>	Dupont	-	flumioxazin & thifensulf & triben	40.8 & 5 & 5SG	6.00 oz	2.5 oz	3 oz	3.75 oz	10.00	-	12.00
Agility <sup>4,2,2,2</sup>	Dupont	-	dicamba&thifen&triben&metsulf	57.8+4.7+2.4+1.9SG	3.00 oz	1.6 oz	2.4 oz	3.2 oz	4.80	7.20	9.60
Aim EC <sup>14</sup>	FMC	-	carfentrazone-ethyl	2EC	200.00 qt	1/2 fl oz	-	1 fl oz	3.15	-	6.25
Alion <sup>29</sup>	Bayer	-	indaziflam	1.67EC	14.00 fl oz	5 fl oz	5.75 fl oz	6.5 fl oz	70.00	80.50	91.00
Alluvex <sup>2,2</sup>	Dupont	-	thifensulfuron & rimsulfuron 1:1	16.7 + 16.7SG	6.50 oz	1.5 oz	-	1.5 oz	9.00	-	9.00
Ally <sup>2</sup>	FMC	-	metsulfuron-methyl	60XP	16.00 oz	0.05 oz	0.1 oz	0.3 oz	0.80	1.60	4.80
Ally Extra SG <sup>2,2,2</sup>	FMC	-	thifensulf & triben & metsulf	27.3+13.6 +10.9SG	10.00 oz	0.3 oz	-	0.5 oz	3.00	-	6.00
Amber <sup>2</sup>	Syngenta	-	triasulfuron	75DF	11.00 oz	0.14 oz	0.28 oz	0.56 oz	1.55	3.10	6.15
Anthem <sup>14,15</sup>	FMC	-	fluthiacet & pyroxasulfone	0.0632 + 2.09SC	3.00 fl oz	5 fl oz	9 fl oz	13 fl oz	15.00	27.00	39.00
Anthem ATZ <sup>5,14,15</sup>	FMC	-	atra & fluthiacet & pyroxasulfone	4+0.014+0.485SC	105.00 gal	1.75 pt	2.75 pt	3.75 pt	23.00	36.10	49.25
Anthem Flex <sup>14,15</sup>	FMC	-	carfentrazone & pyroxasulfone	0.267 + 3.733SC	630.00 gal	2 fl oz	4 fl oz	4.5 fl oz	9.80	20.00	22.45
Anthem Maxx <sup>14,15</sup>	FMC	-	fluthiacet & pyroxasulfone	0.126 + 4.174SC	733.00 gal	2.5 fl oz	4.5 fl oz	6.5 fl oz	14.30	26.00	37.30
Armezon <sup>27</sup>	BASF	Impact	topramezone	2.8SC	21.00 fl oz	0.33 fl oz	0.5 fl oz	0.75 fl oz	7.00	10.50	15.75
Armezon Pro <sup>15,27</sup>	BASF	-	topramezone & dimethenamid	0.1 + 5.25SC	160.00 gal	16 fl oz	20 fl oz	24 fl oz	20.00	25.00	30.00
Arrow <sup>1</sup>	Adama	Select	clethodim	2EC	120.00 gal	4 fl oz	6 fl oz	8 fl oz	3.75	5.60	7.50
ArsenalPowerline <sup>2</sup>	BASF	-	imazapyr-ipa salt	2AS	70.00 gal	1 qt	2 qt	3 qt	17.50	35.00	52.50
Assure II <sup>1</sup>	Dupont	-	quizalofop-ethyl	0.88EC	125.00 gal	4 fl oz	8 fl oz	10 fl oz	3.90	7.80	9.80
Atra-5 <sup>5</sup>	Drexel	-	atrazine	5F	18.50 gal	0.75 pt	1.5 pt	2 pt	1.75	3.50	4.65
Atrazine 4L <sup>5</sup>	Several	-	atrazine	4F	15.00 gal	0.75 pt	1.5 pt	2 pt	1.40	2.80	3.75
Atrazine 90DF <sup>5</sup>	Several	-	atrazine	90DF	3.50 lb	0.42 lb	0.83 lb	1.11 lb	1.45	2.90	3.90
Audit <sup>2,2</sup>	Arysta	-	thifensulfuron & tribenuron 3:1	50 + 25XP	15.00 oz	0.15 oz	0.3 oz	0.6 oz	2.25	4.50	9.00
Authority Assist <sup>2,14</sup>	FMC	-	imazethapyr & sulfentrazone	0.67 + 3.33L	3.00 fl oz	6 fl oz	7.5 fl oz	9 fl oz	18.00	22.50	27.00
Authority Elite <sup>15,14</sup>	FMC	BroadAxe	S-metolachlor & sulfentrazone	6.3 + 0.7EC	140.00 gal	20 fl oz	25 fl oz	32 fl oz	21.90	27.35	35.00
Authority First <sup>2,14</sup>	FMC	Sonic	cloransulam & sulfentrazone	7.9 + 62.1WDG	5.70 oz	4 oz	6 oz	8 oz	22.00	33.00	44.00
Authority MTZ <sup>5,14</sup>	FMC	-	metribuzin & sulfentrazone	27 + 18WDG	28.00 lb	8 oz	12 oz	15 oz	14.00	21.00	26.25
Autumn Super <sup>2,2</sup>	Bayer	-	iodosulfuron & thien carbazole	6 + 45WDG	25.00 oz	0.5 oz	-	0.5 oz	12.50	-	12.50
Avadex MA <sup>8</sup>	Gowan	Far-Go	triallate	10G	1.75 lb	10 lb	12.5 lb	15 lb	17.50	21.90	26.30
Avalanche Ultra <sup>14</sup>	Winfld	-	acifluorfen-Na salt	2SL	90.00 gal	1 pt	1.5 pt	2 pt	11.25	16.90	22.50
Axial Star <sup>4,1</sup>	Syngenta	-	fluroxypyr & pinoxaden & safnr	0.73 + 0.42EC	155.00 gal	16.4 fl oz	-	16.4 fl oz	19.90	-	19.90
Axial XL <sup>1</sup>	Syngenta	-	pinoxaden&cloquintocet safener	0.42EC	155.00 gal	16.4 fl oz	-	16.4 fl oz	19.30	-	19.30
Balance Flex <sup>27</sup>	Bayer	-	isoxaflutole & cyrosulfamide	2SC	5*70.00 fl oz	3 fl oz	4.5 floz	6 fl oz	21.00	31.50	42.00
Banvel <sup>4</sup>	Arysta	-	dicamba-dma salt	4SL	90.00 gal	4 fl oz	8 fl oz	16 fl oz	2.80	5.65	11.25
Barbarian Max <sup>9</sup>	WCI	Roundup	glyphosate-ipa + K salt	4.5SL	21.50 gal	22 fl oz	32 fl oz	44 fl oz	3.70	5.40	7.40
Barrage HF <sup>4</sup>	Helena	-	2,4-D ethylhexyl-ester	4.7SL	44.00 gal	6 fl oz	9 fl oz	13 fl oz	2.10	3.10	4.50
Basagran <sup>6</sup>	Arysta	-	bentazon-Na salt	4SL	70.00 gal	1 pt	1.5 pt	2 pt	8.75	13.15	17.50
Basagran 5L <sup>6</sup>	BASF	Basgran	bentazon-Na salt	5SL	80.00 gal	0.8 pt	1.2 pt	1.6 pt	8.00	12.00	16.00
Basis Blend <sup>2,2</sup>	Dupont	Resolve Q	rimsulfuron & thifen & isoxadifen	20 + 10SG	8.00 oz	1.25 oz	-	1.5 oz	10.00	-	12.00
Beacon <sup>2</sup>	Syngenta	-	primisulfuron-methyl	75DF	36.00 oz	0.38 oz	0.5 oz	0.76 oz	13.70	18.00	27.40
Bentazon <sup>6</sup>	Willowood	Basagran	bentazon-Na salt	4SL	60.00 gal	1 pt	1.5 pt	2 pt	7.50	11.25	15.00
Bestow <sup>2</sup>	Cheminova	Matrix	rimsulfuron	25DF	18.00 oz	1 oz	1.5 oz	2 oz	18.00	27.00	36.00
Betamix <sup>5,5</sup>	Bayer	-	desmedipham & phenmedipham	0.65 + 0.65EC	90.00 gal	4.62 pt	6 pt	7.7 pt	52.00	67.50	86.65
Beyond <sup>2</sup>	BASF	Raptor	imazamox-NH <sub>4</sub> salt	1SL	550.00 gal	2 fl oz	3 fl oz	4 fl oz	8.60	12.90	17.20
Bicep II Magnum <sup>5,15</sup>	Syng	-	atrazine & S-metolachlor	3.1 + 2.4L	48.00 gal	2.1 qt	2.35 qt	2.6 qt	25.20	28.20	31.20
Bicep Lite II Magnum <sup>5,15</sup>	"	-	atrazine & S-metolachlor	2.67 + 3.23L	65.00 gal	1.5 qt	1.9 qt	2.2 qt	24.40	30.90	35.75
Bison <sup>6,4</sup>	Winfield	Bronate	bromoxynil ester & MCPA ester	2 + 2EC	52.00 gal	1 pt	1.5 pt	2 pt	6.50	9.75	11.00
Blanket <sup>14</sup>	Tenkoz	Spartan	sulfentrazone	4L	300.00 gal	3 fl oz	4.5 fl oz	6 fl oz	7.05	10.55	14.10
Boundary <sup>15,5</sup>	Syngenta	-	S-metolachlor & metribuzin	5.25 + 1.25L	88.00 gal	1.2 pt	1.6 pt	2.45 pt	13.20	17.60	26.40

Product	Site of action-pg 100-101		Brand equiv.	Active Ingredients	Formulation	Cost \$/Unit	Product/A			Cost \$/A		
	Company						Low	Med	High	Low	Med	High
Brash <sup>4,4</sup>	Winfield	Weedmstr		2,4-D-dma & dicamba-dma salt	2.87 + 1SL	35.00 gal	0.5 pt	2 pt	4 pt	2.20	8.75	17.50
Brawl <sup>15</sup>	Tenkoz	Dual Mag		S-metolachlor	7.62EC	112.00 gal	1.33 pt	1.67 pt	2 pt	18.65	23.40	28.00
Brawl II <sup>15</sup>	Tenkoz	Dual II M		S-metolachlor & benoxacor safen	7.64EC	117.00 gal	1.33 pt	1.67 pt	2 pt	19.45	24.45	29.25
Breakfree <sup>15</sup>	Dupont	Surpass		acetochlor & dichlormid safener	6.4EC	65.00 gal	1.5 pt	2 pt	2.25 pt	12.20	16.25	18.30
Breakfree NXT Lite <sup>15,5</sup>	"	Harness X		acetochlor & atrazine	4.3 + 1.7L	40.00 gal	1.5 qt	1.8 qt	2.1 qt	15.00	18.00	21.00
Broadrange 55 <sup>4</sup>	Wilbur	2,4-D		2,4-D-diethylamine salt	5.03L	36.00 gal	0.38 pt	0.75 pt	1.5 pt	1.70	3.40	6.75
BroadAxe XC <sup>15,14</sup>	Syng	Auth. Elite		S-metolachlor & sulfentrazone	6.3 + 0.7EC	150.00 gal	20 fl oz	25 fl oz	32 fl oz	23.45	29.30	37.50
Broclean <sup>6</sup>	Loveland	Buctril		bromoxynil-ester	2EC	70.00 gal	1 pt	1.5 pt	2 pt	8.75	13.20	17.50
Bromac <sup>6,4</sup>	Loveland	Bronate		bromoxynil-ester & MCPA-ester	2 + 2EC	40.00 gal	1 pt	1.5 pt	2 pt	5.00	7.50	10.00
Bromac Advanced <sup>6,4</sup>	Lvld	Bron. Adv.		bromoxynil-ester & MCPA-ester	2.5 + 2.5EC	55.00 gal	0.8 pt	1.2 pt	1.6 pt	5.50	8.25	11.00
Bromox MCPA <sup>6,4</sup>	Lvld	Bronate		bromoxynil-ester & MCPA-ester	2 + 2EC	45.00 gal	1 pt	1.5 pt	2 pt	5.65	8.45	11.25
Brox <sup>6</sup>	Albaugh	Buctril		bromoxynil-ester	2EC	62.00 gal	1 pt	1.5 pt	2 pt	7.75	11.65	15.50
Brox M <sup>6,4</sup>	Albaugh	Bronate		bromoxynil-ester & MCPA-ester	2 + 2EC	50.00 gal	1 pt	1.5 pt	2 pt	6.25	9.40	12.50
Brox M Ultra <sup>6,4</sup>	Albaugh	Bron. Adv.		bromoxynil-ester & MCPA-ester	2.5 + 2.5EC	60.00 gal	0.8 pt	1.2 pt	1.6 pt	6.00	9.00	12.00
Buccaneer/Plus <sup>9</sup>	Tenkoz	Roundup		glyphosate-ipa salt	3SL	22.00 gal	2 pt	3 pt	4 pt	5.50	8.25	11.00
Butyrac 200 <sup>4</sup>	Albaugh	-		2,4-DB-dma salt	2SL	40.00 gal	2 pt	3 pt	4 pt	10.00	15.00	20.00
Cadet <sup>14</sup>	FMC	-		fluthiacet-methyl	0.91SL	400.00 qt	0.4 fl oz	0.65 fl oz	0.9 fl oz	5.00	8.15	11.25
Callisto <sup>27</sup>	Syngenta	-		mesotrione	4SE	350.00 gal	2 fl oz	2.5 fl oz	3 fl oz	5.50	6.90	8.20
Callisto GT <sup>9,27</sup>	Syngenta	-		mesotrione & glyphosate	0.38 + 3.8SE	50.00 gal	2 pt	-	2 pt	12.50	-	12.50
Callisto Xtra <sup>27,5</sup>	Syngenta	-		mesotrione & atrazine	0.5 + 3.2SC	70.00 gal	15 fl oz	22 fl oz	24 fl oz	8.20	12.00	13.15
Candor <sup>4,4</sup>	Nufarm	Crossbow		triclopyr-bee & 2,4-D-bee	1 + 2SL	42.00 gal	1 qt	3 qt	6 qt	10.50	31.50	63.00
Canter R+P <sup>2</sup>	Wilbur Ellis	Olympus		propoxycarbazone-Na salt	70WDG	15.00 oz	0.4 oz	0.5 oz	0.6 oz	5.20	6.50	7.80
Capreno <sup>27,2</sup>	Bayer	-		tembo & thiencazabone & isox	2.88 + 0.57SC	7.00 fl oz	3 fl oz	-	3 fl oz	21.00	-	21.00
Capstone <sup>4,4</sup>	Dow	-		aminopyralid-3ipNH <sub>4</sub> & triclopyr	0.1 + 1SL	45.00 gal	4 pt	5 pt	6 pt	22.50	28.15	33.75
Carnivore <sup>4,4,6</sup>	Winfield	-		MCPA & fluroxypyr & bromoxynil	1.67+0.67+1.67EC	58.00 gal	1 pt	1.5 pt	2 pt	7.25	10.90	14.50
Casoron 4G	Uniroyal	-		dichlobenil	4G	3.00 lb	100 lb	150 lb	200 lb	300	400	600
Casoron 10G	Uniroyal	-		dichlobenil	10G	7.50 lb	40 lb	60 lb	80 lb	300	450	600
Chaparral <sup>4,2</sup>	Dow	-		aminopyralid-K salt+ metsulfuron	52.5 + 9.45DF	100.00 lb	1 oz	2 oz	3 oz	6.25	12.50	18.75
Charger Basic <sup>15</sup>	Winfield	Dual Mag.		S-metolachlor	7.62EC	70.00 gal	1.33 pt	1.67 pt	2 pt	11.70	14.60	17.50
Charger Max <sup>15</sup>	Winfield	Dual II M		S-metolachlor & benoxacor safen	7.64EC	80.00 gal	1.33 pt	1.67 pt	2 pt	13.30	16.70	20.00
Chateau <sup>14</sup>	Valent	Valor		flumioxazin	51WDG	8.15 oz	1.5 oz	2 oz	2.5 oz	12.25	16.30	20.40
Cheetah <sup>10</sup>	Nufarm	Liberty		glufosinate-NH <sub>4</sub> salt	2.34SL	75.00 gal	29 fl oz	32 fl oz	43 fl oz	17.00	18.75	25.20
Cheetah Max <sup>10</sup>	Nufarm	-		fomesafen & glufosinate-NH <sub>4</sub> salt	1 + 2SL	- gal	24 fl oz	-	24 fl oz	-	-	-
Chism <sup>2,2</sup>	Cheminova	Cimm Plus		chlorsulfuron & metsulfuron	15 + 48DF	6.50 oz	0.25 oz	0.375 oz	0.625 oz	1.65	2.45	4.100
Cimarron X-tra <sup>2,2</sup>	Bayer	-		chlorsulfuron & metsulfuron	37.5 + 30DF	17.00 oz	0.5 oz	1 oz	2 oz	8.50	17.00	34.00
Cinch <sup>15</sup>	Dupont	Dual II M		S-metolachlor & benoxacor safen	7.64EC	135.00 gal	1.33 pt	1.67 pt	2 pt	22.45	28.20	33.75
Cinch ATZ Lite <sup>5,15</sup>	Dupont	Bicep II L		atrazine & S-metolachlor	2.67 + 3.23L	65.00 gal	1 qt	1.5 qt	1.9 qt	16.25	24.40	30.90
Clarity <sup>4</sup>	BASF	-		dicamba-dga salt	4SL	100.00 gal	4 fl oz	8 fl oz	16 fl oz	3.20	6.25	12.50
Clash <sup>4</sup>	Nufarm	Clarity		dicamba-dga salt	4SL	80.00 gal	2 fl oz	4 fl oz	8 fl oz	2.50	5.00	10.00
Classic <sup>2</sup>	Dupont	-		chlorimuron	25DF	18.00 oz	0.25 oz	0.33 oz	0.5 oz	4.50	6.75	9.00
Clean Slate <sup>4</sup>	Nufarm	Stinger		clopyralid-monoethanolamine salt	3SL	150.00 gal	1.3 fl oz	2.6 fl oz	0.25 pt	1.55	3.05	4.70
Cleansweep D <sup>4,4,6</sup>	Nufarm	-		fluroxypyr-e & 2,4-D-e & bromox	0.64 + 1.6 + 2EC	70.00 gal	1 pt	1.25 pt	1.5 pt	8.15	10.15	12.20
Cleansweep M <sup>4,4,6</sup>	Nufarm	-		fluroxypyr-e & MCPA-e & bromox	0.67+1.67+1.67 EC	65.00 gal	1 pt	1.5 pt	2 pt	8.15	12.20	16.30
CleanTraxx <sup>1</sup>	Dow	-		penoxsulam & oxyfluorfen	0.083 + 3.93EC	- gal	3pt	3.75 pt	4.5 pt	-	-	-
CleanWave <sup>4,4</sup>	Dow	-		aminopyralid & fluroxypyr	0.08 + 1.12EC	72.00 gal	10 fl oz	12 fl oz	14 fl oz	5.65	6.75	7.90
Clethodim <sup>1</sup>	Several	Select		clethodim	2EC	85.00 gal	4 fl oz	6 fl oz	8 fl oz	2.70	4.00	5.35
Clopyr Ag <sup>4</sup>	UPI	Stinger		clopyralid-monoea salt	3SL	410.00 gal	1.3 fl oz	2.6 fl oz	0.25 pt	4.15	8.35	12.80
Cobra <sup>14</sup>	Valent	-		lactofen	2EC	230.00 gal	6 fl oz	8 fl oz	12.8 fl oz	10.80	14.40	22.00
Collide <sup>14</sup>	UPI	Goal		oxyfluorfen	2EC	98.00 gal	4 pt	6 pt	8 pt	45.00	67.50	90.00
Colt AS <sup>4,4</sup>	Loveland	WideMatch		clopyralid-MEAsalt & fluroxypyr-e	0.75 + 0.75EC	65.00 gal	1 pt	1.25 pt	1.33 pt	8.20	10.20	10.80
Colt & Salvo <sup>4,4</sup>	Loveland	-		fluroxypyr-ester & 2,4-D-ester	0.75 + 3EC	65.00 gal	1 pt	1.33 pt	1.67 pt	8.20	10.80	13.60
Colt & Sword <sup>4,4</sup>	Loveland	-		fluroxypyr-ester & MCPA-ester	0.71 + 2.84EC	65.00 gal	1.125 pt	1.5 pt	2 pt	9.15	12.20	16.40
Comet <sup>4</sup>	Nufarm	Starane		fluroxypyr-ester	1.5EC	70.00 gal	0.5 pt	0.67 pt	1 pt	4.40	5.90	8.75
Confidence <sup>15</sup>	Winfield	Harness		acetochlor & safener	7EC	75.00 gal	1.25 pt	1.75 pt	2.25 pt	11.70	16.40	21.10
Confidence Xtra <sup>15,5</sup>	"	Harness X		acet & dichlormid & atra	4.3 + 1.7F	55.00 gal	1.2 qt	1.5 qt	1.8 qt	16.50	20.60	25.00
Cornerstone/Plus <sup>9</sup>	"	Roundup		glyphosate-ipa salt	3SL	15.00 gal	2 pt	3 pt	4 pt	3.75	5.65	7.50
Corvus <sup>27,2</sup>	Bayer	-		isox&thiencazabone&cyprosulf	1.88 & 0.75SC	7.50 fl oz	3.3 fl oz	4.5 fl oz	5.6 fl oz	23.10	31.50	39.20
Credit 41 Extra <sup>9</sup>	Nufarm	Roundup		glyt-ipa salt	3SL	15.00 gal	2 pt	3 pt	4 pt	3.75	5.65	7.50
Credit Xtreme <sup>9</sup>	Nufarm	-		glyphosate-ipa & K salt	2.5 + 2 SL	18.00 gal	22 fl oz	32 fl oz	44 fl oz	3.10	4.50	6.20
Crossbow <sup>4,4</sup>	Dow/UAP	-		triclopyr-bee & 2,4-D-bee	1 + 2SL	50.00 gal	1 qt	3 qt	6 qt	12.50	32.50	75.00
Crossing 4L <sup>14</sup>	Wilbur-Ellis	Spartan		sulfentrazone	4L	555.00 gal	3 fl oz	4.5 fl oz	6 fl oz	13.00	19.50	26.00
Curtail <sup>4,4</sup>	Dow	-		clopyralid-mea & 2,4-D-3ipa salt	0.38 + 2SL	70.00 gal	2 pt	2.67 pt	4 pt	17.50	23.40	35.00

Product <sup>Site of action-pg 100-101</sup>	Brand Company	Brand equiv.	Active Ingredient	Formulation	Cost \$/Unit	Product/A			Cost \$/A		
						Low	Med	High	Low	Med	High
Curtail M <sup>4,4</sup>	Dow	-	clopyralid-acid & MCPAioester	0.42 + 2.35SL	70.00 gal	1.75 pt	2 pt	2.33 pt	15.30	17.50	20.40
Dacthall	Ambac	-	DCPA	6F	165.00 gal	8 pt	10 pt	14 pt	165	206	289
Dacthall	Ambac	-	DCPA	75WDG	20.00 lb	8 lb	10 lb	14 lb	160	200	280
Dally <sup>2</sup>	Wilbur Ellis	Amber	triasulfuron	75DF	13.50 oz	0.14 oz	0.28 oz	0.56 oz	1.90	3.80	7.60
Dawn <sup>14</sup>	Cheminova	Reflex	fomesafen-Na salt	2EC	95.00 gal	0.5 pt	0.75 pt	1 pt	5.95	8.90	11.90
Deadbolt <sup>6,4</sup>	Wilbur-Ellis	-	bromoxynil-ester & 2,4-D-ester	2 + 2.5EC	68.00 gal	12.8 fl oz	-	12.8 fl oz	6.80	-	6.80
Defol	Drexel	Na chlorat	Sodium chlorate	5SL	10.00 gal	4.8 qt	-	4.8 qt	6.00	-	6.00
Des-i-cate II	UPI	-	endothall	2SL	50.00 gal	1.5 qt	-	2 qt	18.75	-	25.00
Detonate <sup>4</sup>	Tenkos	Banvel	dicamba-dma salt	4SL	90.00 gal	4 fl oz	8 fl oz	16 fl oz	2.80	5.65	11.25
Diablo <sup>4</sup>	Nufarm	Banvel	dicamba-dma salt	4SL	75.00 gal	4 fl oz	8 fl oz	16 fl oz	2.40	4.70	9.40
Dicamba <sup>4</sup>	Several	Banvel	dicamba-dma salt	4SL	60.00 gal	4 fl oz	8 fl oz	16 fl oz	1.90	3.75	7.50
DiFlexx <sup>4</sup>	Bayer	Clarity	dicamba-dga & cyprosulfamide	4SL	215.00 gal	8 fl oz	12 fl oz	16 fl oz	13.45	20.15	26.90
DiFlexx Duo <sup>4</sup>	Bayer	-	dic-dga & tembotrione & safener	1.86 + 0.27SC	100.00	24 fl oz	32 fl oz	40 fl oz	18.75	25.00	31.25
Dimetric EXT <sup>5</sup>	Winfield	Sencor	metribuzin	75DF	18.00 lb	0.25 lb	0.33 lb	0.5 lb	4.50	5.95	9.00
Dimetric <sup>5</sup>	Winfield	Sencor	metribuzin	3F	72.00 gal	0.5 pt	0.67 pt	1 pt	4.50	5.95	9.00
Discover NG <sup>1</sup>	Syngenta	-	clodinafop & oil adjuvant	0.5EC	170.00 gal	12.8 floz	14.5 floz	16 fl oz	17.00	19.25	21.25
Diquat <sup>22</sup>	Nufarm	Reglone	diquat-dibromide salt	2SL	76.00 gal	1 pt	1.5 pt	2 pt	9.50	14.25	19.00
Diuron <sup>7</sup>	Several	-	diuron	80WDG	8.00 lb	0.75 lb	2 lb	6 lb	6.00	16.00	48.00
Dog Fight <sup>2,9</sup>	Loveland	Extreme	imazethapyr-acid & glyt-ipa salt	0.17 + 2SL	30.00 gal	1.5 pt	2.25 pt	3 pt	5.65	8.50	11.25
Double Header <sup>15,27</sup>	Lvld	-	acetochlor & mesotrione	3.2 + 0.38	90.00 gal	1.7 qt	2 qt	2.4 qt	38.25	45.00	54.00
Draft <sup>2,2</sup>	Rotam	Harm Extr	thifensulfuron & tribenuron	50 + 25DF	- oz	0.3 oz	-	0.3 oz	-	-	-
Dual Magnum <sup>15</sup>	Syngnt	-	S-metolachlor	7.62EC	120.00 gal	1.33 pt	1.67 pt	2 pt	19.95	25.05	30.00
Dual II Magnum <sup>15</sup>	"	-	S-metolachlor & benoxacor safen	7.64EC	135.00 gal	1.33 pt	1.67 pt	2 pt	22.45	28.20	33.75
Duramax <sup>9</sup>	Dow	Rodeo	glyphosate-dma salt	4SL	30.00 gal	24 fl oz	36 fl oz	48 fl oz	5.70	8.45	11.25
Durango DMA <sup>9</sup>	Dow	Roundup	glyphosate-dma salt	4SL	25.00 gal	24 fl oz	36 fl oz	48 fl oz	4.70	7.05	9.40
Edition B-Spec <sup>2,2</sup>	Chmnv	Affinity BS	thifensulfuron & tribenuron	25 + 25DF	5.35 oz	0.4 oz	0.6 oz	1 oz	2.15	3.20	5.35
Edition TankMix <sup>2,2</sup>	"	Affinity TM	thifensulfuron & tribenuron	40 + 10DF	4.00 oz	0.6 oz	0.75 oz	1 oz	2.40	3.00	4.00
Encompass <sup>14</sup>	Tenkos	Valor	flumioxazin	51WDG	6.00 oz	2 oz	2.5 oz	3 oz	12.00	15.00	18.00
Engenia <sup>4</sup>	BASF	-	dicamba-BAPMA salt	5SL	130.00 gal	12.8 fl oz	19.2 fl oz	25.6 fl oz	13.00	19.50	26.00
Enlist Duo <sup>4,9</sup>	Dow	-	glyphosate-dma & 2,4-D-choline	1.7 + 1.6SL	30.00 gal	3.5 pt	4 pt	4.75 pt	13.15	15.00	17.80
Enlist One <sup>4</sup>	Dow	-	2,4-D-choline	3.8SL	- gal	1 pt	1.5 pt	2 pt	-	-	-
Eptam <sup>8</sup>	Gowan	-	EPTC	7EC	60.00 gal	2.3 pt	4 pt	6.75 pt	17.25	30.00	50.65
Escort XP <sup>2</sup>	Bayer	Ally	metsulfuron-methyl	60XP	7.00 oz	0.33 oz	1 oz	2 oz	2.30	7.00	14.00
Establish <sup>15</sup>	Tenkos	Outlook	dimethenamid	6EC	180.00 gal	16 fl oz	18 fl oz	21 fl oz	22.50	25.35	29.55
Ethofumesate <sup>16</sup>	Willow	Nortron	ethofumesate	4SC	70.00 gal	6 pt	7 pt	7.5 pt	52.50	61.25	66.65
Ethotron <sup>16</sup>	UPI	Nortron	ethofumesate	4EC	95.00 gal	6 pt	7 pt	7.5 pt	71.25	83.15	89.10
Everest 3.0 <sup>2</sup>	Arysta	-	flucarbazone-Na salt & safener	1.75OD	7.50 fl oz	1.5 fl oz	-	2 fl oz	11.25	-	15.00
Express SG <sup>2</sup>	FMC	-	tribenuron-methyl	50SG	22.00 oz	1/4 oz	1/3 oz	1/2 oz	5.30	7.25	11.00
Extra Credit 5 <sup>9</sup>	Nufarm	Roundup	glyphosate-ipa salt	3.75SL	28.00 gal	1.6 pt	2.4 pt	3.2 pt	5.00	7.50	10.00
Extreme <sup>2,9</sup>	BASF	-	imazethapyr-acid & glyt-ipa salt	0.17 + 2SL	30.00 gal	1.5 pt	2.25 pt	3 pt	5.65	8.50	11.25
Fallow Star <sup>9,4</sup>	Albaugh	Fallow Mst	glyt-ipa & dicamba-ipa salt	1.1 + 0.5SL	30.00 gal	22 fl oz	32 fl oz	44 fl oz	5.10	7.50	10.30
Far-Go EC <sup>8</sup>	Gowan	-	triallate	4EC	60.00 gal	1 qt	1.25 qt	1.5 qt	15.00	18.85	22.50
Facet L <sup>4,26</sup>	BASF	-	quinclorac	1.5L	125.00 gal	22 fl oz	32 fl oz	64 fl oz	21.50	31.25	62.50
FeXapan <sup>4</sup>	Dupont	XtendiMax	dicamba-dga salt + VaporGrip	2.9SL	70.00 gal	22 fl oz	33 fl oz	44 fl oz	12.00	18.00	24.00
Fierce <sup>14,15</sup>	Valent	-	flumioxazin + pyroxasulfone	33.5 + 42.5WDG	8.00 oz	3 oz	3.33 oz	3.75 oz	24.00	26.70	30.00
Firestorm <sup>22</sup>	Chemtura	Paraquat	paraquat-dichloride	3SL	35.00 gal	2 pt	3 pt	4 pt	8.75	13.15	17.50
FirstRate <sup>2</sup>	Dow	-	cloransulam-methyl	84WDG	45.00 oz	0.3 oz	0.6 oz	0.75	13.50	21.00	33.75
Flexstar <sup>14</sup>	Syngenta	-	fomesafen-Na salt & adjuvants	1.88EC	80.00 gal	0.5 pt	-	0.75 pt	5.00	-	7.50
Flexstar GT 3.5 <sup>14,9</sup>	Syng	-	fomesafen & glyt & adjuvants	0.56 + 2.26SL	40.00 gal	1.75 pt	-	2.68 pt	8.35	-	13.40
Foma 1.88 <sup>14</sup>	Drexel	Flexstar	fomesafen-Na salt & adjuvants	1.88EC	33.00 gal	0.5 pt	-	0.75 pt	2.10	-	3.10
Foma 2.0 <sup>14</sup>	Drexel	Reflex	fomesafen-Na salt	2EC	35.00 gal	0.5 pt	-	0.75 pt	2.20	-	3.20
FomAsate <sup>14,9</sup>	Drexel	Flexstr GT	fomesafen & glyt & adjuvants	0.56 + 2.26SL	25.00 gal	1.75 pt	-	2.68 pt	5.50	-	8.40
Fomesafen1.88	Willowd	Flexstar	fomesafen-Na salt & adjuvants	1.88EC	50.00 gal	0.5 pt	-	0.75 pt	3.20	-	4.70
Forefront HL <sup>4,4</sup>	Dow	-	aminopyralid-3ipNH <sub>4</sub> & 2,4-D	0.41 + 3.33EC	85.00 gal	1.2 pt	1.5 pt	2.1 pt	12.75	16.00	22.30
Framework <sup>3</sup>	Winfield	Prowl	pendimethalin	3.3EC	40.00 gal	2.4 pt	3 pt	3.64 pt	12.00	15.00	18.20
Frequency <sup>27</sup>	BASF	Impact	topramezone	2.8SC	860.00 gal	1 oz	2 oz	4 oz	6.70	13.50	26.40
FullDeck <sup>4,4,4</sup>	Helena	-	MCPA & fluroxypyr & clopyralid	2.48+ 0.66 + 0.57SL	95.00 gal	1 pt	1.25 pt	1.5 pt	11.90	14.85	17.85
FulTime NXT <sup>15,5</sup>	Dow	-	acetochlor & atrazine	2.4 ME + 1.6L	42.00 gal	2.5 qt	2.7 qt	3 qt	26.25	28.35	31.50
Fusilade DX <sup>1</sup>	Syngenta	-	fluazifop-P butyl	2EC	140.00 gal	6 fl oz	10 fl oz	12 fl oz	6.60	11.00	13.20
Fusion <sup>1,1</sup>	Syngenta	-	fluazifop-P & fenoxaprop	2 + 0.66EC	225.00 gal	6 fl oz	10 fl oz	12 fl oz	10.55	17.60	21.10
Garlon 4 Ultra <sup>4</sup>	Dow	-	triclopyr-ester	4EC	115.00 gal	1 qt	2 qt	4 qt	28.75	57.50	115.00
Glory <sup>5</sup>	Adama	Sencor	metribuzin	75DF	16.00 lb	0.25 lb	0.33 lb	0.5 lb	4.00	5.30	8.00

Product <sup>Site of action-pg 100-101</sup>	Brand equiv.	Active Ingredients	Formulation	Cost \$/Unit	Product/A			Cost \$/A		
					Low	Med	High	Low	Med	High
Glyfos/X-tra <sup>9</sup> Cheminva	Roundup	glyphosate-ipa salt	3SL	18.00 gal	2 pt	3 pt	4 pt	4.50	6.75	9.00
Glyphogan/Plus <sup>9</sup> Adama	Roundup	glyphosate-ipa salt	3SL	18.00 gal	2 pt	3 pt	4 pt	4.50	6.75	9.00
GlyStar 5/Extra <sup>9</sup> Albaugh	Rodeo	glyphosate-ipa salt	4SL	25.00 gal	24 fl oz	36 fl oz	48 fl oz	4.70	6.25	9.40
GlyStar Gold <sup>9</sup> "	Roundup	glyphosate-ipa salt	3SL	18.00 gal	2 pt	3 pt	4 pt	4.50	6.75	9.00
GlyStar Original <sup>9</sup> "	Roundup	glyphosate-ipa salt	3SL	18.00 gal	2 pt	3 pt	4 pt	4.50	6.75	9.00
GlyStar Plus <sup>9</sup> Albaugh	Roundup	glyphosate-ipa salt	3SL	18.00 gal	2 pt	3 pt	4 pt	4.50	6.75	9.00
Goal <sup>14</sup> Dow	Collide	oxyfluorfen	2EC	98.00 gal	4 pt	6 pt	8 pt	45.00	67.50	90.00
GoldSky <sup>2,2,4</sup> Dow	-	pyroxsulam&florasulam&flurox	0.11+0.018+0.71OD	150.00 gal	1 pt	-	1 pt	18.75	-	18.75
Gramoxone SL 2.0 <sup>22</sup> Syn	Paraquat	paraquat-dichloride	2SL	42.00 gal	1 pt	1.5 pt	2 pt	5.25	7.90	10.50
Graslan L <sup>4,4</sup> Dow	Graszon	picloram-3ipa & 2,4-D-choline	0.81 + 3SL	50.00 gal	1.5 pt	2 pt	2.5 pt	9.40	12.50	16.00
GraszonNext <sup>4,4</sup> Dow	-	aminopyralid-3ipa + 2,4-D-3ipa	0.33 + 2.67SL	50.00 gal	1.5 pt	2 pt	2.6 pt	9.40	12.50	16.25
Graszon P+D <sup>4,4</sup> Dow	Graslan	picloram-3ipa & 2,4-D-3ipa	0.54 + 2SL	40.00 gal	2 qt	3 qt	4 qt	20.00	30.00	40.00
Gun Slinger <sup>4,4</sup> Albaugh	Graszon	picloram-3ipamine&2,4-D-3ipa	0.54 + 2 S	35.00 gal	2 qt	3 qt	4 qt	17.50	26.25	35.00
Habitat <sup>2</sup> BASF	Arsenal	imazapyr-ipa salt	2SL	130.00 gal	1 qt	2 qt	3 qt	32.50	65.00	95.50
Halex GT <sup>27,9,15</sup> Syngenta	-	mesotrione & glyt-K & S-meto	4.39 SC (1:10:10)	70.00 gal	3 pt	3.6 pt	4 pt	26.30	31.50	35.00
Halomax <sup>2</sup> Aceto	Permit	halosulfuron-methyl	75DF	22.00 oz	0.67 oz	1 oz	1.33 oz	14.75	22.00	29.26
Harass <sup>2</sup> Cheminova	Harmony	thifensulfuron-methyl	75DF	8.00 oz	1/12 oz	0.3 oz	0.6 oz	0.67	2.40	4.80
Harmony SG <sup>2</sup> FMC	-	thifensulfuron-methyl	50SG	40.00 oz	0.3 oz	0.45 oz	0.7 oz	12.00	18.00	28.00
Harness <sup>15</sup> Monsanto	-	acetochlor & furilazole safener	7EC	125.00 gal	1.25 pt	1.75 pt	2.25 pt	19.50	27.40	35.15
Harness Max <sup>15</sup> Mon	-	acet & meso & furilazole safener	3.52 + 0.33EC	75.00 gal	40 fl oz	55 fl oz	88 fl oz	23.50	32.25	51.60
Harness Xtra <sup>15,5</sup> Monsnt	-	acet & furilazole & atrazine	4.3 + 1.7F	70.00 gal	1.2 qt	1.5 qt	1.8 qt	21.00	26.25	31.50
Harness Xtra 5.6L <sup>15,5</sup> "	-	acet & furilazole & atrazine	3.1 + 2.5F	60.00 gal	1.5 qt	1.7 qt	2.3 qt	22.50	25.50	34.50
Harrow <sup>2,2</sup> Cheminova	Harm Extr	rimsulfuron & thifensulfuron	50 + 25DF	- oz	0.33 oz	0.67 oz	1 oz	-	-	-
Hat Trick <sup>4,4,4</sup> Loveland	-	clop-mea&fluroxy-mhe&MCPAe	0.51 + 0.51 + 1.8EC	60.00 gal	1 pt	1.5 pt	2 pt	7.50	11.25	15.00
Helmquat <sup>22</sup> Helm	Gramoxon	paraquat-dichloride	3SL	40.00 gal	0.67 pt	1 pt	1.33 pt	3.35	5.00	6.65
Herbivore <sup>2</sup> Winfield	Permit	halosulfuron-methyl	75DF	22.00 oz	0.67 oz	1 oz	1.33 oz	14.75	22.00	29.26
Hornet <sup>2,4</sup> Dow	-	flumetsulam & clopyralid-K salt	18.5 + 60WDG	5.00 oz	2 oz	3 oz	4 oz	10.00	15.00	20.00
Huskie <sup>6,27</sup> Bayer	-	brom & pyrasulfotole & mefenpyr	1.75 + 0.31EC	*120.00 gal	11 fl oz	12.8 fl oz	13.5 fl oz	10.30	12.00	12.70
Huskie Complete <sup>6,27,2</sup> "	-	brom&pyrasulf&thiencarb&mfnp	1.46+0.26+0.042OD	*210.00 gal	13.7 fl oz	-	13.7 fl oz	22.50	-	22.50
Hydrothol 191 UPI	Herb. 273	endothall	2G	6.00 lb	-	-	-	-	-	-
Hyvar X-L Bayer	-	bromacil	80WP	22.00 lb	3 lb	7 lb	15 lb	66.00	154	330
Impact <sup>27</sup> Amvac	Armazon	topramezone	2.8SC	25.00 fl oz	0.33 fl oz	0.5 fl oz	0.75 fl oz	8.25	12.50	18.75
Impose <sup>2</sup> Adama	Plateau	imazapic-NH <sub>4</sub> salt	2SL	3.00 fl oz	4 fl oz	8 fl oz	12 fl oz	12.00	24.00	36.00
Incinerate <sup>27</sup> Winfield	Callisto	mesotrione	4SE	180.00 gal	2 fl oz	2.5 fl oz	3 fl oz	2.80	3.50	4.25
Instigate <sup>2,27</sup> Dupont	Realm Q	rimsulfuron & mesotrione	4.17 + 41.67WDG	3.50 oz	5.25 oz	-	7 oz	18.40	-	24.50
Intensity 100 <sup>1</sup> Loveland	Select	clethodim	2EC	65.00 gal	4 fl oz	6 fl oz	8 fl oz	2.00	3.00	4.00
Intensity One <sup>1</sup> Loveland	Select Max	clethodim	1EC	90.00 gal	6 fl oz	8 fl oz	12 fl oz	4.20	6.30	8.40
Interline <sup>10</sup> UPI	Liberty	glufosinate-NH <sub>4</sub> salt	2.34SL	95.00 gal	22 fl oz	29 fl oz	36 fl oz	16.35	21.55	26.75
Karmex <sup>7</sup> Adama	Diuron	diuron	80XP	8.00 lb	2 lb	6 lb	8 lb	16.00	48.00	64.00
Keystone LA NXT <sup>15,5</sup> Dow	Harness	acetochlor & atrazine	4 + 1.5L	65.00 gal	1.33 qt	1.5 qt	1.8 qt	21.65	24.40	29.25
Kochiavore <sup>6,4</sup> Winfield	-	2,4-De&bromox-e&fluroxypr-e	1.67&1.67&0.67EC	65.00 gal	1 pt	-	1.5 pt	8.20	-	12.30
Krovlar <sup>16,7</sup> Bayer	-	bromacil & diuron	40 + 40DF	15.00 lb	6 lb	12 lb	16 lb	90.00	180.00	240.00
Landmaster BW <sup>9,4</sup> Albgh	-	glyphosate-ipa & 2,4-D-ipa salt	0.9 + 1.5SL	18.00 gal	27 fl oz	40 fl oz	54 fl oz	3.80	5.65	7.60
Latigo <sup>4,4</sup> Helena	Weedmstr	dicamba-acid & 2,4-D-acid	1.8 + 2.4 SL	74.00 gal	0.33 pt	0.67 pt	1 pt	3.10	6.20	9.30
Latir <sup>2,14</sup> Adama	-	flumioxazin & imazethapyr	31.5 + 23.5WDG	- oz	3.2 fl oz	3.8 fl oz	4.25 fl oz	-	-	-
Laudis <sup>27</sup> Bayer	-	tembotrione & isoxadifen safener	3.5 + 1.75SC	6.00 fl oz	3 fl oz	-	3 fl oz	18.00	-	18.00
LeadOff <sup>2,2</sup> Dupont	Alluvex	thifensulfuron & rimsulfuron 1:1	16.7 + 16.7SG	6.30 oz	1.5 oz	2 oz	2.7 oz	9.80	13.00	17.60
Liberty 280 <sup>10</sup> Bayer	-	glufosinate-NH <sub>4</sub> salt	2.34SL	75.00 gal	29 fl oz	32 fl oz	43 fl oz	17.00	18.75	25.20
Linex <sup>7</sup> TKI	-	linuron	4L	100.00 gal	8 fl oz	12 fl oz	16 fl oz	6.25	9.40	12.50
Lorox <sup>7</sup> TKI	-	linuron	50DF	25.00 lb	1 lb	3 lb	6 lb	25.00	50.00	100.00
Lumax EZ <sup>5,27,15</sup> Syngenta	-	atrazine & mesotrione & S-metol	0.94 + 0.25 + 2.5SE	75.00 gal	3 pt	4 pt	5 pt	28.15	37.50	46.90
Mad Dog/Plus <sup>9</sup> Loveland	Roundup	glyphosate-ipa salt	3SL	15.00 gal	2 pt	3 pt	4 pt	3.75	5.60	9.50
Maestro 2EC <sup>6</sup> Nufarm	Buctril	bromoxynil-ester	2EC	52.00 gal	1 pt	1.5 pt	2 pt	6.50	9.80	13.00
Maestro 4EC <sup>6</sup> Nufarm	Buctril	bromoxynil-ester	4EC	85.00 gal	0.5 pt	0.75 pt	1 pt	5.30	8.00	10.70
Maestro Adv. <sup>6,4</sup> Nufarm	Bron. Adv.	bromoxynil-ester & MCPA-ester	2.5 + 2.5EC	60.00 gal	0.8 pt	1.2 pt	1.6 pt	6.00	9.00	12.00
Maestro D <sup>6,4</sup> Nufarm	-	bromoxynil-ester & 2,4-D-ester	2 + 1.9EC	55.00 gal	0.75 pt	1.33 pt	2 pt	5.15	9.15	13.75
Maestro MA <sup>6,4</sup> Nufarm	Bronate	bromoxynil-ester & MCPA-ester	2 + 2EC	45.00 gal	1 pt	1.5 pt	2 pt	5.65	8.45	11.25
Makaze <sup>9</sup> Loveland	Roundup	glyphosate-ipa salt	3SL	15.00 gal	2 pt	3 pt	4 pt	3.80	5.60	7.50
Makaze Yield Pro <sup>9</sup> Lvlnd	-	glyphosate-ipa salt+IBA+cytokinin	3+0.005+0.0009SL	25.00 gal	2 pt	3 pt	4 pt	6.30	9.45	12.50
Marvel <sup>14,14</sup> FMC	-	fomesafen & fluthiacet	2.88 + 0.12SC	225.00 gal	5 fl oz	6 fl oz	7 fl oz	8.80	10.55	12.30
Matador <sup>15,5,2</sup> Loveland	-	metochlr & metrib & imazethapyr	4 + 0.56 + 0.13SL	65.00 gal	2 pt	3 pt	4 pt	16.25	24.40	32.50
Matador S <sup>15,5,2</sup> Loveland	-	metochlr & metrib & imazethapyr	3.38 + 0.75 + 0.17SL	65.00 gal	1.9 pt	-	2.4 pt	15.50	-	19.50

Product <sup>Site of action-pg 100-101</sup>	Brand equiv.	Active Ingredients	Formulation	Cost \$/Unit	Product/A			Cost \$/A			
					Low	Med	High	Low	Med	High	
Matrix <sup>2</sup>	Dupont	-	rimsulfuron	25DF	20.00 oz	1 oz	-	1.5 oz	20.00	-	30.00
Maverick <sup>2</sup>	Monsanto	-	sulfosulfuron	75DF	18.00 oz	0.33 oz	0.5 oz	0.67 oz	5.90	9.00	12.10
MCPA amine <sup>4</sup>	Several	-	MCPA-amine	4SL	40.00 gal	0.4 pt	1 pt	2 pt	2.00	5.00	10.00
MCPA ester <sup>4</sup>	Several	-	MCPA-ester	4EC	38.00 gal	0.5 pt	1 pt	2 pt	2.40	4.80	9.50
Mes-O-sate <sup>27,9,15</sup>	Drexel	Halex GT	mesotrione & glyt-K & S-meto	4.39 SC (1:10:10)	40.00 gal	3.6 pt	-	4 pt	18.00	-	20.00
MesoTryOne <sup>27</sup>	Drexel	Callisto	mesotrione	4SE	160.00 gal	2 fl oz	2.5 fl oz	3 fl oz	2.50	3.15	3.75
Me-Too-Lachlor <sup>15</sup>	Drexel	Dual Mag.	metolachlor	8EC	40.00 gal	1.33 pt	1.67 pt	2 pt	6.65	8.35	10.00
Me-Too-Lachlor II <sup>15</sup>	Drxl	Dual II M	metolachlor & benoxacor safen	7.8EC	40.00 gal	1.33 pt	1.67 pt	2 pt	6.65	8.35	10.00
Method <sup>4</sup>	Bayer	-	aminocyclopyrachlor-K	2SL	3.00 oz	4 fl oz	8 fl oz	12 fl oz	12.00	24.00	36.00
Metribuzin <sup>5</sup>	Adama	Sencor	metribuzin	75DF	18.00 lb	0.25 lb	0.33 lb	0.5 lb	4.50	5.95	9.00
Metsulfuron <sup>2</sup>	Arysta	Ally	metsulfuron-methyl	60XP	- oz	0.05 oz	0.1 oz	0.3 oz	-	-	-
Milestone / VM <sup>4</sup>	Dow	-	aminopyralid-3ipNH <sub>4</sub> salt	2SL	400.00 gal	3 fl oz	5 fl oz	7 fl oz	9.40	15.65	21.90
Militia <sup>14,2</sup>	Adama	-	flumioxazin & imazethapyr	-	- gal	-	-	-	-	-	-
Moxy <sup>5</sup>	Winfield	Buctril	bromoxynil-ester	2EC	70.00 gal	1 pt	1.5 pt	2 pt	8.75	13.10	17.50
NextStep NG <sup>1</sup>	Arysta	Discover	clodinafop & oil adjuvant	0.5EC	160.00 gal	12.8 floz	14.5 floz	16 fl oz	16.00	18.20	20.00
Nimble <sup>2,2</sup>	Chemnova	Harm Extr	thifensulfuron & tribenuron 2:1	50 + 25DF	7.00 oz	0.15 oz	0.3 oz	0.6 oz	1.05	2.10	4.20
Nortron SC <sup>16</sup>	Bayer	-	ethofumesate	4EC	100.00 gal	6 pt	7 pt	7.5 pt	75.00	87.50	93.75
Nuance <sup>2</sup>	Chemnova	Express	tribenuron-methyl	75DF	9.00 oz	1/8 oz	1/6 oz	1/3 oz	1.15	1.50	3.00
Olympus <sup>2</sup>	Bayer	-	propoxycarbazone-Na salt	70WDG	*18.00 oz	0.4 oz	0.5 oz	0.6 oz	7.20	9.00	10.80
OpenSky <sup>2,4</sup>	Dow	-	pyroxsulam&fluroxypyr	0.107+0.95SE	- gal	1 pt	-	1.25 pt	-	-	-
OpTill <sup>14,2</sup>	BASF	-	saflufenacil & imazethapyr	17.8 + 50.2WDG	8.00 oz	1 oz	1.5 oz	2 oz	8.00	12.00	16.00
Orion <sup>2,4</sup>	Syngenta	-	florasulam & MCPA-ehe	0.033 + 2.34EC	350.00 case	17 fl oz	-	40 A/case	-	-	8.80
Osprey <sup>2</sup>	Bayer	Silverado	mesosulfuron-methyl	4.5WDG	3.50 oz	3.2 oz	4 oz	4.75 oz	11.20	14.00	16.65
Oust XP <sup>2</sup>	Bayer	-	sulfometuron-methyl	75XP	7.00 oz	2 oz	6 oz	8 oz	10.00	30.00	40.00
Oust Extra <sup>2,2</sup>	Bayer	-	sulfometuron & metsulfuron	56.25 + 15DF	6.00 oz	3 oz	4 oz	5 oz	18.00	24.00	30.00
Outflank <sup>14</sup>	Adama	Valor	flumioxazin	51WDG	6.00 oz	1.5 oz	2 oz	3 oz	9.00	12.00	18.00
Outlaw <sup>4,4</sup>	Helena	Weedmstr	2,4-D-ehe & dicamba-acid	1.45 + 1.09SL	55.00 gal	1.5 pt	1.75 pt	2.75 pt	10.30	12.00	18.90
Outlook <sup>15</sup>	BASF	-	dimethenamid-P	6EC	150.00 gal	10 fl oz	14 fl oz	18 fl oz	11.70	16.40	21.10
Outrider <sup>2</sup>	Valent	Maverick	sulfosulfuron	75DF	25.00 oz	0.75 oz	1.33 oz	2 oz	18.80	33.30	50.00
Overdrive <sup>4,19</sup>	BASF	Distinct	dicamba-Na & diflufenzopyr-Na	50 + 20WDG	2.80 oz	4 oz	6 oz	8 oz	11.20	16.80	22.40
Palace <sup>15,27</sup>	West Central	Zemax	S-metolachlor & mesotrione	3.34 + 0.33SC	80.00 gal	1.6 qt	2 qt	2.4 qt	32.00	40.00	48.00
Panoflex <sup>2,2</sup>	Dupont	-	thifensulfuron & tribenuron 1:4	10 + 40SG	10.50 oz	0.3 oz	0.45 oz	0.6 oz	3.00	4.50	6.00
Panther SC <sup>14</sup>	Nufarm	Valor	flumioxazin	4SC	500.00 gal	1.5 fl oz	2 fl oz	3 fl oz	5.85	7.80	11.70
Panther Pro <sup>2,5,14</sup>	Nufarm	-	flumioxazin&metri&imazethapyr	0.67 + 3 + 0.56SC	- gal	12 fl oz	-	12 fl oz	-	-	-
Parallel <sup>15</sup>	Adama	Dual II	metolachlor & safener	7.8EC	50.00 gal	1.33 pt	1.67 pt	2 pt	8.30	10.45	12.50
Parallel PCS <sup>15</sup>	Adama	Dual	metolachlor	8EC	50.00 gal	1.33 pt	1.67 pt	2 pt	8.30	10.45	12.50
Paraquat <sup>22</sup>	Willowood	Gramoxon	paraquat-dichloride	3SL	33.00 gal	0.67 pt	1 pt	1.33 pt	2.75	4.15	5.55
Parazone <sup>22</sup>	Adama	Gramoxon	paraquat-dichloride	3SL	40.00 gal	0.67 pt	1 pt	1.33 pt	3.35	5.00	6.65
Parity <sup>1</sup>	West Central	Puma	fenoxaprop-P ethyl	1EC	190.00 gal	0.33 pt	0.4 pt	0.67 pt	7.85	9.50	15.95
Pathfinder II <sup>4</sup>	Dow	Garlon	triclopyr-acid/bee	0.75EC	50.00 gal	2.7 gal	8 gal	10.7 gal	135	400.00	535.00
Patriot <sup>2</sup>	Nufarm	Escort	metsulfuron-methyl	60DF	6.00 oz	0.33 oz	1 oz	2 oz	2.00	6.00	12.00
Payload <sup>14</sup>	Valent	Valor	flumioxazin	51WDG	- oz	2 oz	2.5 oz	3 oz	-	-	-
Peak <sup>2</sup>	Syngenta	-	prosulfuron	57DF	18.00 oz	0.25 oz	0.38 oz	0.5 oz	4.50	6.85	8.00
PerfectMatch <sup>2,4,4</sup>	Dow	-	pyroxsulam & clopyr & fluroxypyr	1.66SE	165.00 gal	1 pt	-	1 pt	20.60	-	20.60
Permit <sup>2</sup>	Gowan	Halomax	halosulfuron-methyl	75DF	25.00 oz	0.67 oz	1 oz	1.33 oz	16.75	25.00	33.25
Perspective <sup>4,2</sup>	Bayer	-	aminocyclopyrachlor+chlorsulf	39.5 + 15.8DF	6.50 oz	3 oz	4.75 oz	8 oz	19.50	30.90	52.00
Phoenix <sup>14</sup>	Valent	-	lactofen & adjuvants	2EC	200.00 gal	6 fl oz	8 fl oz	12.8 fl oz	9.40	12.50	20.00
Pin-Dee <sup>3</sup>	Drexel	Prowl EC	pendimethalin	3.3EC	35.00 gal	2.4pt	3 pt	3.6 pt	10.50	13.15	15.75
Plateau <sup>2</sup>	BASF	-	imazapic-NH <sub>4</sub> salt	2SL	150.00 gal	4 fl oz	8 fl oz	12 fl oz	4.70	9.40	14.10
Platform <sup>4</sup>	Nufarm	Garlon EC	triclopyr-ester	4EC	95.00 gal	1 qt	2 qt	4 qt	23.75	47.50	95.00
Plotter <sup>2</sup>	Rotam	Ally	metsulfuron-methyl (cropland)	60DF	5.00 oz	0.05 oz	0.1 oz	0.3 oz	0.25	0.50	1.50
Poast <sup>1</sup>	BASF	-	sethoxydim	1.5EC	100.00 gal	0.5 pt	1 pt	1.5 pt	6.25	12.50	18.75
Portfolio 4L <sup>14</sup>	Wilbur-Ellis	Spartan	sulfentrazone	4L	555.00 gal	3 fl oz	4.5 fl oz	6 fl oz	13.00	19.50	26.00
PowerFlex HL <sup>2</sup>	Dow	-	pyroxsulam+cloquintocet safener	13.1WDG	7.50 oz	2 oz	-	2 oz	15.00	-	15.00
Pramitol EC	Several	-	prometon	25EC	60.00 gal	5 gal	7.5 gal	10 gal	300	450	600
Pramitol 5S	Several	-	prometon	5PS	4.50 lb	150 lb	200 lb	400 lb	600	800	1600
Prefix <sup>15,14</sup>	Syngenta	-	S-metolachlor & fomesafen	4.34 + 0.95EC	60.00 gal	1 pt	1.5 pt	2 pt	7.50	11.25	15.00
Pre-Pare <sup>2</sup>	Arysta	Everest	flucarbazone-Na salt	70WDG	33.00 oz	0.3 oz	-	0.3 oz	9.90	-	9.90
Prequel <sup>2,27</sup>	Dupont	-	rimsulfuron & isoxaflutole	15 + 30SG	9.50 oz	1.66 oz	2 oz	2.5 oz	15.00	18.00	22.50
Presidual <sup>5,5</sup>	Winfield	Boundary	S-metolachlor & metribuzin	5.25 + 1.25L	88.00 gal	1.2 pt	1.6 pt	2.45 pt	13.20	17.60	26.40
Primer <sup>2</sup>	Rotam	Accent	nicosulfuron	75DF	- oz	0.33 oz	0.5 oz	0.67 oz	-	-	-
Princep 4L <sup>5</sup>	Syngenta	-	simazine	4L	26.00 gal	2 qt	3 qt	4 qt	12.00	19.50	26.00

Product	Company	Brand equiv.	Active Ingredients	Formulation	Cost \$/Unit	Product/A			Cost \$/A		
						Low	Med	High	Low	Med	High
Princep Caliber 90 <sup>5</sup>	-	-	simazine	90DF	5.50 lb	1.8 lb	3 lb	4.4 lb	9.90	16.50	24.20
Prowl H2O <sup>3</sup>	BASF	-	pendimethalin	3.8ACS	50.00 gal	2.1 pt	2.6 pt	3 pt	13.50	16.25	18.75
Pruvin <sup>2</sup>	MANA	Resolve	rimsulfuron	25SG	12.50 oz	0.75 oz	-	1 oz	9.40	-	12.50
Purestand <sup>2</sup>	Nufarm	Ally	metsulfuron-methyl	60DF	6.00 oz	0.05 oz	0.1 oz	0.3 oz	0.30	0.60	1.80
Pursuit <sup>2</sup>	BASF	-	imazethapyr-NH <sub>4</sub> salt	2AS	500.00 gal	2 fl oz	2.5 fl oz	3 fl oz	7.80	9.80	11.75
Python <sup>2</sup>	Dow	-	flumetsulam	80WDG	14.50 oz	0.8 oz	1 oz	1.33 oz	11.60	14.50	19.30
Quelex <sup>4,2</sup>	Dow	-	halauxifen & florasulam	0.1 + 0.1WDG	130.00 lb	0.75 oz	-	0.75 oz	6.10	-	6.10
Quik-Quat <sup>22</sup>	Drexel	Paraquat	paraquat-dichloride	3SL	35.00 gal	0.67 pt	1 pt	1.33 pt	3.00	4.75	5.80
Range Star <sup>4,4</sup>	Albaugh	Weedmstr	2,4-D-dea & dicamba-dea salt	2.87 + 1SL	35.00 gal	1 pt	2 pt	4 pt	4.45	8.75	17.50
Ransom <sup>14,5</sup>	Adama	-	flumioxazin & metribuzin	12.96 + 56 WDG	40.00 lb	8 fl oz	10 fl oz	12 fl oz	20.00	25.00	30.00
Rapport BrdSpec <sup>2,2</sup> Nufm	Affinity BS	-	thifensulfuron & tribenuron 1:1	25 + 25DF	9.25 oz	0.4 oz	0.6 oz	1 oz	3.70	5.70	9.25
Rapport TankMix <sup>2,2</sup> Nufm	Affinity TM	-	thifensulfuron & tribenuron 4:1	40 + 10DF	8.00 oz	0.6 oz	0.75 oz	1 oz	4.80	6.00	8.00
Raptor <sup>2</sup>	BASF	-	imazamox-NH <sub>4</sub> salt	1SL	580.00 gal	3 fl oz	4 fl oz	5 fl oz	13.60	18.20	22.70
Raze <sup>2,4</sup>	Arysta	-	flucarbazone&fluroxypyr&safener	0.322 + 1.68SC	2.60 fl oz	5 fl oz	7 fl oz	9 fl oz	13.00	18.20	23.40
Realm Q <sup>2,27</sup>	Dupont	Instigate	rimsulfuron & meso. & isoxadifen	7.5+31.25SG	5.00 oz	4 oz	-	4 oz	20.00	-	20.00
Reflex <sup>14</sup>	Syngenta	-	fomesafen-Na salt	2EC	60.00 gal	0.5 pt	0.75 pt	1 pt	3.75	5.60	7.50
Reglone <sup>22</sup>	Syngenta	-	diquat-dibromide salt	2SL	85.00 gal	1 pt	1.5 pt	2 pt	10.60	16.00	21.20
Relegate <sup>4</sup>	Nufarm	Remedy	triclopyr-ester	4EC	55.00 gal	1 qt	1.5 qt	2 qt	13.75	20.63	27.50
Rely 280 <sup>10</sup>	Bayer	Liberty	glufosinate-NH <sub>4</sub> salt	2.34SL	80.00	48 fl oz	56 fl oz	82 fl oz	30.00	35.00	51.25
Remedy Ultra <sup>4</sup>	Dow	-	triclopyr-ester	4EC	70.00 gal	1 qt	1.5 qt	2 qt	17.50	26.50	35.00
Report <sup>2</sup>	Cheminova	Glean	chlorsulfuron	75DF	10.50 oz	1/6 oz	-	1/3 oz	1.75	-	3.50
Resicore <sup>4,15,27</sup>	Dow	-	clopyralid & acetochlor & meso	0.19 + 2.8 + 0.3SC	75.00 gal	2.25 qt	2.5 qt	3 qt	42.20	47.00	56.00
Resolve Q <sup>2,2</sup>	Dupont	Alluvex	rimsulfuron & thifen & isoxadifen	18.4 + 4SG	10.00 oz	1 oz	-	1.25 oz	10.00	-	12.50
Resource <sup>14</sup>	Valent	-	flumiclorac-ester	0.86SL	245.00 gal	1 fl oz	2 fl oz	3 oz	1.95	3.85	5.75
Revulin Q <sup>2,27</sup>	Dupont	-	nicosulfuron & meso. & isoxadifen	14.4 + 36.8SG	5.50 oz	3.4 oz	3.7 oz	4 oz	18.70	20.35	22.00
Rhythm <sup>14</sup>	Chemivova	Flexstar	fomesafen-Na salt & adjuvants	1.88EC	140.00 gal	0.5 pt	-	0.75 pt	8.75	-	13.15
Rifle <sup>4</sup>	Loveland	Banvel	dicamba-dma salt	4SL	50.00 gal	4 fl oz	8 fl oz	16 fl oz	1.60	3.10	6.25
Rifle D <sup>4,4</sup>	Loveland	Weedmstr	2,4-D-dea & dicamba-dea salt	2.87 + 1SL	45.00 gal	0.5 pt	2 pt	4 pt	2.80	11.25	22.50
Rimfire Max <sup>2,2</sup>	Bayer	-	propoxy-Na & meso & mefenpyr	4.76 + 1.91WDG	3.50 oz	3 oz	-	3 oz	10.50	-	10.50
Ringside <sup>14</sup>	Tenkoz	Reflex	fomesafen-Na salt	2EC	60.00 gal	0.5 pt	0.75 pt	1 pt	3.75	5.60	7.50
Rodeo <sup>9</sup>	Dow	-	glyphosate-ipa salt	4SL	30.00 gal	24 fl oz	36 fl oz	48 fl oz	5.65	8.45	11.25
Ro-Neet SB <sup>8</sup>	Helm	-	cycloate	6EC	200.00 gal	4 pt	4.5 pt	5.33 pt	100	112.50	133.25
RT 3 <sup>9</sup>	Monsanto	Roundup	glyphosate-K salt	4.5SL	28.00 gal	22 fl oz	32 fl oz	44 fl oz	4.80	7.00	9.65
RU PowerMax <sup>9</sup>	Monsanto	Roundup	glyphosate-K salt	4.5SL	30.00 gal	22 fl oz	32 fl oz	44 fl oz	5.15	7.50	10.30
RU WeatherMax <sup>9</sup>	-	Roundup	glyphosate-K salt	4.5SL	38.00 gal	22 fl oz	32 fl oz	44 fl oz	6.55	9.50	13.10
RU Xtend <sup>9</sup>	Monsanto	-	glyphosate-mea + dicamba-dga	2 + 1SL	- gal	64 fl oz	-	64 fl oz	-	-	-
Rugged <sup>4</sup>	Winfield	2,4-D acid	2,4-D-acid	3.49EC	40.00 gal	0.67 pt	1.33 pt	2.5 pt	3.35	6.70	12.50
Rumble <sup>14</sup>	Adama	Flexstar	fomesafen-Na salt & adjuvants	1.88EC	65.00 gal	0.5 pt	0.75 pt	1 pt	4.10	6.10	8.15
Saber <sup>4</sup>	Loveland	2,4-D a	2,4-D-dma salt	3.8SL	35.00 gal	0.5 pt	1 pt	2 pt	2.20	4.40	8.80
Salvo <sup>4</sup>	Loveland	2,4-D e	2,4-D-ester	5EC	40.00 gal	6.4 fl oz	9.6 fl oz	12.8 fl oz	2.00	3.00	4.00
Sandea <sup>2</sup>	Gowan	Permit	halosulfuron-methyl	75DF	45.00 oz	0.67 oz	1 oz	1.33 oz	30.15	45.00	60.00
Scorch <sup>4,4,4</sup>	Nufarm	-	2,4-D & floroxyppyr & dicamba	3 + 0.75 + 1EC	55.00 gal	1 pt	2 pt	4 pt	6.90	13.75	27.50
Section <sup>1</sup>	Winfield	Select	clethodim	2EC	120.00 gal	4 fl oz	6 fl oz	8 fl oz	3.75	5.65	7.50
Section Three <sup>1</sup>	Winfield	Shadow	clethodim	3EC	115.00 gal	2.66 fl oz	5.33 fl oz	10.66 fl oz	2.40	4.80	9.60
Select Max <sup>1</sup>	Valent	-	clethodim	1EC	120.00 gal	6 fl oz	9 fl oz	12 fl oz	5.65	8.45	11.25
Sentrallas <sup>2,4</sup>	FMC	-	thifensulfuron & fluroxypyr	0.25 & 1.3OD	130.00 gal	7 fl oz	9 fl oz	14 fl oz	6.60	8.50	13.25
Sequence <sup>9,15</sup>	Syngenta	-	glyphosate-K salt & S-metolachlor	2.25 + 3SC	60.00 gal	1.5 pt	2.5 pt	3 pt	11.25	18.75	22.50
Shadow <sup>1</sup>	Arysta	Select	clethodim	3EC	130.00 gal	2.66 fl oz	5.33 fl oz	10.66 fl oz	2.70	5.40	10.80
Sharpen <sup>14</sup>	BASF	-	saflufenacil	2.85SC	820.00 gal	1 fl oz	2 fl oz	3 fl oz	6.40	12.80	19.20
Showdown <sup>9</sup>	Helena	Roundup	glyphosate-ipa & NH <sub>4</sub> salt	2.7 + 0.3SL	20.00 gal	22 fl oz	32 fl oz	44 fl oz	3.45	5.00	6.90
Shredder E-99 <sup>4</sup>	Winfield	-	2,4-D-beester	6.1EC	38.00 gal	0.33 pt	0.67 pt	1.33 pt	1.60	3.20	6.35
Sierra <sup>2</sup>	Syngenta	Everest	flucarbazone-Na salt & safener	3.5SC	23.00 fl oz	0.5 fl oz	0.75 fl oz	1 fl oz	11.50	17.25	23.00
Simazine L <sup>5</sup>	Several	Princep	simazine	4L	25.00 gal	2 qt	3 qt	4 qt	12.50	18.75	25.00
Simazine DF <sup>5</sup>	Several	Princep	simazine	90DF	5.00 lb	1.8 lb	3 lb	4.4 lb	9.00	15.00	22.00
Sinbar	TKI	-	terbacil	80WP	55.00 lb	0.5 lb	2 lb	4 lb	27.50	110.00	220.00
Sinister <sup>14</sup>	Helena	Reflex	fomesafen-acid	2.87SL	110.00 gal	0.52 pt	-	0.52 pt	7.15	-	7.15
Smack Down <sup>15,4,2</sup>	Lvld	SureStart	aceto&clopyr&flumet&dichlormid	3.75+0.29+0.12SC	95.00 gal	1.5 pt	2 pt	3 pt	17.85	23.75	35.65
Solida <sup>2</sup>	Cheminova	Matrix	rimsulfuron	25DF	18.00 oz	1 oz	-	1.5 oz	18.00	-	27.60
Solstice <sup>27,14</sup>	FMC	-	mesotrione & fluthiacet	3.784 + 0.216SC	650.00 gal	2.5 fl oz	-	3 fl oz	12.70	-	15.25
Sonalan HFP <sup>3</sup>	Gowan	-	ethalfuralin	3EC	55.00 gal	1.5 pt	3 pt	4.5 pt	10.30	20.65	30.95
Sonalan 10G <sup>3</sup>	Gowan	-	ethalfuralin	10G	2.00 lb	6 lb	11.5 lb	17 lb	12.00	23.00	34.00
Sonic <sup>2,14</sup>	Dow	Authrty 1st	cloransulam & sulfentrazone	7.9 + 62.1WDG	5.75 oz	4 oz	6 oz	8 oz	23.00	34.50	46.00

Product <sup>Site of action-pg 100-101</sup>	Company	Brand equiv.	Active Ingredients	Formulation	Cost \$/Unit	Product/A			Cost \$/A		
						Low	Med	High	Low	Med	High
Spartan <sup>14</sup>	FMC	-	sulfentrazone	4L	550.00 gal	3 fl oz	4.5 fl oz	6 fl oz	12.90	19.30	25.80
Spartan Charge <sup>14,14</sup>	FMC	-	carfentrazone & sulfentrazone	0.35 + 3.15SE	450.00 gal	3.75 fl oz	4.5 fl oz	5.75 fl oz	13.20	15.80	20.20
Spartan Elite <sup>15,14</sup>	FMC	BroadAxe	S-metolachlor & sulfentrazone	6.3 + 0.7EC	140.00 gal	20 fl oz	25 fl oz	32 fl oz	21.90	27.40	35.00
Spike <sup>7</sup>	Dow	-	tebuthiuron	80DF	15.00 lb	2.5 lb	3.75 lb	5 lb	37.50	75.00	150.00
SpitFire <sup>4,4</sup>	Nufarm	-	dicamba & 2,4-D	0.5 + 3.07SL	30.00 gal	1 pt	2 pt	4 pt	3.75	7.50	15.00
Spur <sup>4</sup>	Albaugh	Stinger	clopyralid-monoecia salt	3SL	200.00 gal	1.3 fl oz	2.6 fl oz	0.25 pt	2.00	4.00	6.00
Stalker <sup>2</sup>	BASF	Arsenal	imazapyr-ipa salt	2SL	300.00 gal	48 fl oz	2 qt	3 qt	113	150	225
Starane Flex <sup>2,4</sup>	Dow	-	florasulam & fluroxypyr	0.042 + 0.833EC	75.00 gal	13.5 fl oz	-	13.5 fl oz	7.90	-	7.90
Starane NXT <sup>6,4</sup>	Dow	-	bromoxynil & fluroxypyr-ester	2.33 + 0.583EC	85.00 gal	14 fl oz	21 fl oz	27.4 fl oz	9.30	14.00	18.20
Starane Ultra <sup>4</sup>	Dow	-	fluroxypyr-ester	2.8EC	300.00 gal	0.25 pt	0.35 pt	0.54 pt	9.40	13.15	20.25
Statement <sup>15,14</sup>	Cheminv	Prefix	S-metolachlor & fomesafen	4.34 + 0.95EC	60.00 gal	1 pt	1.5 pt	2 pt	7.50	11.25	15.00
Status <sup>4,19</sup>	BASF	-	dic-Na&diflufenzpr-Na&isoxadifen	40 + 16WDG	4.00 oz	5 oz	7.5 oz	10 oz	20.00	30.00	40.00
Streamline <sup>4,2</sup>	Bayer	-	aminocyclopyrachlor + metsulf	39.5 + 12.6DF	7.00 oz	4.75 oz	7.5 oz	9.5 oz	33.00	53.00	67.00
Stealth <sup>3</sup>	Loveland	Prowl	pendimethalin	3.3EC	35.00 gal	2.4 pt	3 pt	3.64 pt	10.50	13.15	15.95
Sterling Blue <sup>4</sup>	Winfield	Clarity	dicamba-dga salt	4SL	65.00 gal	4 fl oz	8 fl oz	16 fl oz	2.00	4.00	6.00
Stinger <sup>4</sup>	Dow	Stinger	clopyralid-monoecia salt	3SL	480.00 gal	1.3 fl oz	2.6 fl oz	0.25 pt	4.90	9.75	15.00
Storm <sup>14,6</sup>	UPI	-	acifluorifen & bentazon	1.33 + 2.67SL	100.00 gal	1 pt	1.5 pt	2 pt	12.50	18.75	25.00
Strikeout <sup>9</sup>		Roundup	glyphosate-ipa salt	3SL	15.00 gal	2 pt	3 pt	4 pt	3.75	5.65	7.50
Strut <sup>4</sup>	Loveland	Clarity	dicamba-dga salt	4SL	80.00 gal	4 fl oz	8 fl oz	16 fl oz	2.50	5.00	10.00
Supremacy <sup>4,2,2</sup>	Arysta	-	fluroxypyr & thifen & tribenuron	25 + 4.5 + 1.5WDG	1.75 oz	4 oz	5 oz	6 oz	7.00	8.75	10.50
SureStart II <sup>15,4,2</sup>	Dow	-	aceto&clopyr&flumet&dichlormid	3.75+0.29+0.12SC	95.00 gal	1.5 pt	2 pt	3 pt	17.85	23.75	35.65
Surflan <sup>3</sup>	UPI	-	oryzalin	4EC	60.00 gal	2 qt	3 qt	4 qt	30.00	45.00	60.00
Surpass NXT <sup>15</sup>	Dow	-	acetochlor & dichlormid safener	6.4EC	110.00 gal	1.5 pt	2 pt	2.25 pt	20.65	27.50	30.95
Surveil <sup>14,2</sup>	Dow	Gangster	flumioxazin & cloransulm	36 + 12WDG	110.00 lb	2.1 oz	2.8 oz	4.2 oz	14.40	19.30	28.90
Sword <sup>4</sup>	Loveland	-	MCPA ester	5.2EC	50.00 gal	3 fl oz	1 pt	2 pt	1.20	6.25	12.50
Tacoma <sup>1</sup>	Winfield	Puma	fenoxaprop-P ethyl	1EC	190.00 gal	0.33 pt	0.4 pt	0.67 pt	7.85	9.50	15.95
Tailwind <sup>15,5</sup>	Adama	Boundary	S-metolachlor & metribuzin	5.25 + 1.25L	75.00 gal	1.2 pt	1.6 pt	2.45 pt	11.25	15.00	23.00
Talinor <sup>6,27</sup>	Syngenta	-	bromoxynil & bicycloprone	1.77EC	450.00 case	13.7 fl oz	-	18.2 fl oz	11.20	-	14.95
Tapout <sup>1</sup>	Helena	Select	clethodim	1EC	100.00 gal	4 fl oz	6 fl oz	8 fl oz	3.10	4.70	6.20
Targa <sup>1</sup>	Gowan	Assure II	quizalofop-ethyl	0.88EC	130.00 gal	7 fl oz	8 fl oz	10 fl oz	7.10	8.20	10.20
Teammate <sup>2</sup>	Dow	-	pyroxsulam & safener	21.5WDG	250.00 lb	1 oz	-	1 oz	15.65	-	15.65
Thistrol <sup>4</sup>	Nufarm	-	MCPB	2EC	60.00 gal	2 pt	4 pt	6 pt	15.00	30.00	45.00
Throttle <sup>2,2,14</sup>	Bayer	-	chlorsulf&sulfometurn&sulfentzrn	9 + 18 +48DF	7.80 oz	12.5 oz	-	12.5 oz	97.50	-	97.50
Thunder <sup>2</sup>	Albaugh	Pursuit	imazethapyr-NH4 salt	2AS	400.00 gal	2 fl oz	2.5 fl oz	3 fl oz	6.30	7.80	9.40
Thunder Master <sup>2,9</sup>	Albgh	Extreme	imazethapyr-acid & glyph-ipa salt	0.17 + 2SL	25.00 gal	1.5 pt	2.25 pt	3 pt	5.25	7.05	9.90
Top Gun <sup>14</sup>	Loveland	Reflex	fomesafen-Na salt	2EC	130.00 gal	0.5 pt	0.75 pt	1 pt	8.15	12.20	16.25
Tordon 22K <sup>4</sup>	Dow	-	picloram-K salt	2SL	80.00 gal	1 pt	2 pt	4 pt	10.00	20.00	40.00
Torment <sup>14,2</sup>	Adama	-	fomesafen & imazethapyr	2 + 0.5	130.00 gal	0.75 pt	-	1 pt	12.20	-	16.30
Transline <sup>4</sup>	Dow	Stinger	clopyralid-monea salt	3SL	190.00 gal	0.67 pt	1 pt	1.33 pt	15.95	23.75	31.60
Travallas <sup>2,2,4</sup>	FMC	-	metsulfuron & thifen & fluroxypyr	0.025&0.25&1.3OD	11.00 fl oz	10 fl oz	-	10 fl oz	11.00	-	11.00
Treaty <sup>2</sup>	Nufarm	Harmony	thifensulfuron-methyl	75DF	10.00 oz	1/12 oz	0.3 oz	0.6 oz	0.80	3.00	6.00
Treaty Extra <sup>2,2</sup>	Nufarm	Harm. Extr	thifensulfuron & tribenuron	50 + 25DF	8.00 oz	0.15 oz	0.3 oz	0.6 oz	1.20	2.40	7.20
Treflan HFP <sup>3</sup>	Gowan	-	trifluralin	4EC	30.00 gal	1 pt	2 pt	4 pt	3.75	7.50	9.00
Treflan TR-10 <sup>3</sup>	Gowan	-	trifluralin	10G	1.20 lb	5 lb	10 lb	20 lb	6.00	12.00	24.00
Tri-Cor <sup>5</sup>	UPI	Sencor	metribuzin	4F	107.00 gal	6 fl oz	8 fl oz	16 fl oz	5.00	6.60	13.30
Tri-Cor <sup>5</sup>	UPI	Sencor	metribuzin	75DF	20.00 lb	0.25 lb	0.33 lb	0.67 lb	5.00	6.60	13.30
Trifluralin EC <sup>3</sup>	Several	Treflan	trifluralin	4EC	32.00 gal	1 pt	2 pt	4 pt	4.00	8.00	12.00
Triflurex <sup>3</sup>	Adama	Treflan	trifluralin	4EC	32.00 gal	1 pt	2 pt	4 pt	4.00	8.00	12.00
Trigger <sup>1</sup>	Albaugh	Select	clethodim	2EC	120.00 gal	4 fl oz	6 fl oz	8 fl oz	3.75	5.65	7.50
Trimec Classic <sup>4,4,4</sup>	PBI	-	2,4-D-amine & MCPP & dicamba	3.32EC	40.00 gal	3.25 pt	3.8 pt	4.33 pt	16.25	19.00	21.65
Trimec Plus <sup>4,4</sup>	PBI	-	MSMA & 2,4-Da & MCPPa	2.88EC	50.00 gal	2 qt	3 qt	4 qt	25.00	35.00	50.00
TripleFlex II <sup>15,4,2</sup>	Monsnt	SureStart	aceto&clopyr&flumet&furilazole	3.75+0.38+0.12SC	95.00 gal	1.5 pt	2 pt	3 pt	17.80	23.75	35.65
Trisidual <sup>15,4,2</sup>	Winfield	SureStart	aceto&clopyr&flumet&furilazole	3.75+0.38+0.12SC	70.00 gal	1.5 pt	2 pt	3 pt	13.20	17.50	26.30
Triumph 22K <sup>4</sup>	Albaugh	Tordon	picloram-K salt	2SL	85.00 gal	1 pt	2 pt	4 pt	10.60	21.25	42.50
TrixMax <sup>5,27,15</sup>	Drexel	Lumax	atrazine & mesotrione & S-metol	0.94 + 0.25 + 2.5SE	45.00 gal	3 pt	4 pt	5 pt	16.90	22.50	28.15
Trooper 22 K <sup>4</sup>	Nufarm	Tordon	picloram-K salt	2SL	60.00 gal	1 pt	2 pt	4 pt	7.50	15.00	30.00
Trooper Extra <sup>4,4,4</sup>	Nufarm	-	picloram-3ipa & 2,4-D-3ipa & dic	0.5 + 2 + 0.5S	39.00 gal	1 pt	2 pt	4 pt	4.90	9.75	19.50
Trooper P+D <sup>4,4</sup>	Nufarm	Grazon	picloram-3ipa & 2,4-D-3ipa salt	0.54 + 2 S	25.00 gal	2 qt	3 qt	4 qt	12.50	18.75	25.00
Trooper Pro <sup>4,4</sup>	Nufarm	Surmount	picloram-3ipa & fluroxypyr-mhe	1 + 1S	56.00 gal	2 pt	3 pt	4 pt	14.00	21.00	28.00
Trump Card <sup>4,4</sup>	Helena	-	fluroxypyr-ester & 2,4-D-acid	0.66 + 2.65EC	75.00 gal	1 pt	2 pt	3 pt	9.40	18.80	28.20
Truslate <sup>4,4</sup>	Nufarm	WideMatch	clopyralid-mea & fluroxypyr-mhe	0.75 + 0.75EC	70.00 gal	0.75 pt	1 pt	1.33 pt	6.60	8.75	11.65
Truslate Pro <sup>4,4,4</sup>	Nufarm	-	clor-me & flurox-mhe & MCPAe	0.5 + 0.64 + 1.75EC	60.00 gal	1 pt	1.5 pt	2 pt	7.50	11.25	15.00

Product	Site of action-pg 100-101		Brand equiv.	Active Ingredients	Formulation	Cost \$/Unit	Product/A			Cost \$/A		
	Company						Low	Med	High	Low	Med	High
Trust EC <sup>3</sup>	Winfield		Treflan	trifluralin	4EC	32.00 gal	1 pt	2 pt	4 pt	4.00	8.00	12.00
Trycera <sup>4</sup>	Helena		Garlon	triclopyr-acid	4EC	135.00 gal	1 qt	2 qt	4 qt	33.80	67.50	135.00
Tuscany SC <sup>14</sup>	Nufarm		Valor	flumioxazin	4 SC	435.00 gal	2 fl oz	3 fl oz	4 fl oz	6.80	10.20	13.60
Ultra Blazer <sup>14</sup>	UPI		-	acifluorfen-Na salt	2SL	90.00 gal	1 pt	1.5 pt	2 pt	11.25	16.90	22.50
Unison <sup>4</sup>	Helena		Hardball	2,4-D-acid	1.74SL	40.00 gal	1 pt	1.75 pt	2.5 pt	5.00	8.75	12.50
UpBeet <sup>2</sup>	FMC		-	triflusulfuron-methyl	50DF	20.00 oz	0.25 oz	0.3 oz	0.5 oz	5.00	6.00	10.00
Upfront <sup>15,14</sup>	Drexel		Prefix	S-metolachlor & fomesafen	4.34 + 0.95EC	40.00 gal	1 pt	1.5 pt	2 pt	5.00	7.50	10.00
Valor EZ <sup>14</sup>	Valent		-	flumioxazin	4SC	4.00 fl oz	2 fl oz	2.5 fl oz	3 fl oz	8.00	10.00	12.00
Valor SX <sup>14</sup>	Valent		-	flumioxazin	51WDG	7.00 oz	2 oz	2.5 oz	3 oz	14.00	17.50	21.00
Vanquish <sup>4</sup>	Nufarm		-	dicamba-dga salt	4SL	85.00 gal	4 fl oz	8 fl oz	16 fl oz	2.65	5.30	10.60
Varisto <sup>6,2</sup>	BASF		-	bentazon & imazamox	4 + 0.19SL	165.00 gal	16 fl oz	21 fl oz	27 fl oz	20.60	27.00	34.80
Varro <sup>2</sup>	Bayer		-	thiencarbazone & mefenpyr	0.083OD	*290.00 gal	6.85 fl oz	-	6.85 fl oz	15.50	-	15.50
Vaquero <sup>1</sup>	Wilbur-Ellis		Select	clethodim	2EC	107.00 gal	4 fl oz	6 fl oz	8 fl oz	3.35	5.05	6.70
Vastlan <sup>4</sup>	Dow		Garlon	triclopyr-choline	4SL	115.00 gal	1 qt	2 qt	4 qt	28.75	57.50	115.00
Velossa <sup>5</sup>	Helena		Velpar	hexazinone	2L	130.00 gal	2 pt	4 pt	6 pt	32.50	65.00	100.00
Velpar <sup>5</sup>	TKI		-	hexazinone	2L	40.00 gal	2 pt	4 pt	6 pt	10.00	20.00	30.00
Verdict <sup>14,15</sup>	BASF		-	saflufenacil & dimethenamid-P	0.57 + 5EC	240.00 gal	10 fl oz	13 fl oz	16 fl oz	18.80	24.40	30.00
Verdure X <sup>22</sup>	Helm		Reglone	diquat-dibromide salt	2SL	105.00 gal	1 pt	1.5 pt	2 pt	13.15	19.70	26.25
Victory <sup>2</sup>	Nufarm		Express	tribenuron-methyl	75DF	12.00 oz	1/8 oz	1/6 oz	1/3 oz	1.50	2.00	3.60
Vida <sup>14</sup>	Gowan		ET	pyraflufen-ethyl	0.208EC	4.50 fl oz	0.5 fl oz	2 fl oz	5.5 fl oz	2.25	9.00	24.75
Viewpoint <sup>4,2,2</sup>	Bayer		-	aminocycpyrchlrl&imazapyr&met	22.8 + 31.6 + 7.3DF	5.00 oz	13 oz	16 oz	18 oz	65.00	80.00	90.00
Vise <sup>15,14</sup>	Adama		Prefix	S-metolachlor & fomesafen	4.34 + 0.95EC	60.00 gal	1 pt	1.5 pt	2 pt	7.50	11.25	15.00
Vision <sup>4</sup>	Helena		Banvel	dicamba-acid	3.8SL	94.00 gal	4 fl oz	8 fl oz	16 fl oz	3.00	6.00	9.00
Vista XRT <sup>4</sup>	Dow		Starane	fluroxypyr-ester	2.8AE	170.00 gal	6 fl oz	12 fl oz	22 fl oz	8.00	16.00	30.00
Volley <sup>15</sup>	Tenkos		Surpass	acetochlor & dichlormid safener	6.4EC	88.00 gal	1.5 pt	2 pt	2.25 pt	16.50	22.00	24.75
Volta <sup>2</sup>	Rotam		Harmony	thifensulfuron-methyl	75DF	10.00 oz	1/12 oz	0.3 oz	0.6 oz	1.00	2.00	6.00
Volta Extra <sup>2,2</sup>	Rotam		Harm. Extr	thifensulfuron & tribenuron	50 + 25DF	8.00 oz	0.15 oz	0.3 oz	0.6 oz	1.20	2.40	7.20
Volunteer <sup>1</sup>	Tenkos		Select	clethodim	2EC	80.00 gal	4 fl oz	6 fl oz	8 fl oz	2.50	3.75	5.00
Voucher <sup>4,4</sup>	Helena		Strn+Swr	MCPA-acid & fluroxypyr-ester	2.6 + 0.64SL	65.00 gal	1 pt	2 pt	3 pt	8.15	16.25	24.40
Warrant <sup>15</sup>	Monsanto		~Degree	acetochlor (microencapsulated)	3ME water based	40.00 gal	1.25 qt	1.5 qt	2 qt	12.50	15.00	20.00
Warrant Ultra <sup>15</sup>	Monsant		-	acetochlor & fomesafen	2.83 + 0.64EC	58.00 gal	48 fl oz	-	48 fl oz	21.75	-	21.75
Weed Blast <sup>5,7</sup>	Loveland		-	bromacil & diuron	4 + 4G	7.00 lb	40 lb	50 lb	60 lb	280	350	420
Weedone 638 <sup>4,4</sup>	Nufarm		-	2,4-D-acid & 2,4-D-ester	2.8EC	28.00 gal	0.67 pt	2 pt	3 pt	2.35	7.00	10.50
Weedmaster <sup>4,4</sup>	Nufarm		-	2,4-D-dea & dicamba-dea	2.87 + 1SL	30.00 gal	0.5 pt	2 pt	4 pt	1.90	7.50	15.00
Weld <sup>4,4,4</sup>	Winfield		-	MCPAe & fluroxypyr & clopyralid	1.75 + 0.64 + 0.5EC	57.00 gal	1 pt	1.5 pt	2 pt	7.15	10.70	14.25
Whiteout <sup>4</sup>	Loveland		-	2,4-D-ehe (solventless)	5.64EC	40.00 gal	0.33 pt	0.67 pt	1.33 pt	1.65	3.35	6.65
WideMatch <sup>4,4</sup>	Dow		-	clopyralid-mea & fluroxypyr-mhe	0.75 + 0.75EC	80.00 gal	0.75 pt	1 pt	1.33 pt	7.50	10.00	13.30
Wildcard <sup>4</sup>	Helena		-	MCPA-ester	4EC	45.00 gal	0.5 pt	1 pt	2 pt	2.80	5.60	11.30
Wildcard Xtra <sup>6,4</sup>	Helena		Bronate	bromoxynil-ester & MCPA-ester	2 + 2EC	65.00 gal	0.75 pt	1 pt	1.5 pt	6.10	8.20	12.20
Wolverine Adv. <sup>1,27,6</sup>	Bay		-	fenox&pyrasulf&bromox&mefenpr	0.4 & 0.13 & 1.05EC	105.00 gal	1.7 pt	-	1.7 pt	22.35	-	22.35
XtendiMax <sup>4</sup>	Monsanto		Clarity	dicamba-dga salt + VaporGrip	2.9SL	75.00 gal	22 fl oz	33 fl oz	44 fl oz	12.90	19.40	25.80
Yukon <sup>4,2</sup>	Gowan		-	dicamba-Na & halosulfuron-CH3	55 + 12.5 WDG	3.50 oz	4 oz	6 oz	8 oz	14.00	21.00	28.00
Zidua <sup>15</sup>	BASF		-	pyroxasulfone	85WDG	9.00 oz	3 oz	4 oz	5 oz	27.00	36.00	40.00
Zidua SC <sup>15</sup>	BASF		-	pyroxasulfone	4.17SC	700.00 gal	1.75 oz	4 oz	6.5 oz	9.60	21.90	35.60
Zidua Pro <sup>2,14,15</sup>	BASF		-	pyrox&saflufenacil&imazethapyr	2.28+0.48+1.33SC	500.00 gal	4.5 fl oz	-	4.5 fl oz	17.60	-	17.60
2,4-D Products <sup>4</sup>			-	2,4-D								
2,4-D amine <sup>4</sup>					3.8SL	20.00 gal	0.5 pt	2 pt	4 pt	1.25	5.00	10.00
2,4-D ester <sup>4</sup>					3.8EC	35.00 gal	0.4 pt	2 pt	4 pt	1.75	8.75	17.50
LV ester <sup>4</sup>					5.7EC	40.00 gal	0.33 pt	2 pt	4 pt	1.65	10.00	20.00