

Herbicide Tables

This table includes selected information about the herbicides recommended in this guide. The products are listed alphabetically by **Active Ingredient**, with a selection of **Trade Names**.

° = indicates that small package and ready-to-use formulations are commonly available at hardware stores and garden center

* = indicates that some formulations may be Restricted Use Pesticides (RUP) and require a certification to purchase and use

† = indicates biorational formulations that may be listed by the Organic Materials Research Institute (OMRI) and may be allowed in organic production – check with your certifier

‡ = indicates additional formulations that do not currently occur elsewhere in this guide as crop protection recommendations because they are not as well understood to be effective options

The **Signal Word** is an indication of the human health hazard of the product.

The **Leaching Risk** and **Runoff Risk** columns have one of four listings:

v. low = the product is not likely to move with water

low = the product has a low likelihood of moving with water

med = the product has an intermediate likelihood of moving with water

high = the product has a high likelihood of moving with water

The **Respirator Use** column has one of the following listings:

no = you do not need to use a respirator

yes = you do need some sort of respirator for some part of the process (see label for details)

some = certain Trade Names may require respirators, but others may not

Active Ingredients	Trade Names	Signal Word	Leaching Risk	Runoff Risk	Respirator Use
°2,4-D	Formula 40, Savage, Weedar	danger	med	low	some
*acetachlor, atrazine	Degree Xtra, Fultime, Harness Extra, Keystone	caution, warning	high	med	no
acetochlor	Breakfree, Harness, Surpass EC, TopNotch	warning	med	low	no
*acetochlor, atrazine	Breakfree ATZ, Breakfree ATZ Lite	warning	high	med	no
acifluorfen	Ultra Blazer	danger	high	med	no
‡allyl isothiocyanate	Dominus	danger	-	-	yes
‡ammoniated soap of fatty acids	Final-San-O	warning	-	-	no
ammonium nonanoate	AXXE	warning	low	low	no
*atrazine	Aatrex 4L, Aatrex Nine-O, Combelt 4L, Combelt 90DF, Infantry 4L, Infantry 90DF	caution	high	med	some
*atrazine, mesotrione, s-metolachlor, bicycloporyne	Acuron	caution	high	med	no
*atrazine, pyroxasulfone, fluthiacet-methyl	Anthem ATZ	warning	high	med	no
*atrazine, s-metolachlor	Bicep II Magnum, Bicep Lite II Magnum Lexar	caution	high	med	no
benefin	Balan DF	warning	-	-	no
bensulide	Prefar 4E	caution	med	high	yes
bentazon	Basagran, Bashazon, Broadloom, Biscayne	caution, danger	med	low	no
bentazon, sethoxydim	Rezult	caution	low	low	no
bicycloporyne	Optogen	caution	low	med	no
bromacil	Hyvar X	caution	high	med	yes
bromoxynil	Moxy 2E	warning	low	med	no
°‡‡caprylic acid, capric acid	HomePlate	caution	-	-	no
carfentrazone	Aim EC	caution	low	low	no
carfentrazone, sulfentrazone	Spartan Charge	caution	high	med	no
clethodim	Clethodim 2E, Select Max	caution, warning	low	low	no
clomazone	Caravel, Command 3ME	caution	med	low	no
clopyralid	Spur, Stinger	caution	high	low	no
‡‡clove oil, rosemary oil, peppermint oil, cottonseed oil	GreenFurrow EF 400	exempt	low	med	no
°‡‡corn gluten	Preen Organic Weed Preventer	caution	low	med	no
cycloate	Ro-Neet	caution	med	low	yes
DCPA	Dacthal Flowable	caution	low	high	no

Active Ingredients	Trade Names	Signal Word	Leaching Risk	Runoff Risk	Respirator Use
dicamba	Banvel, Clarity	warning	high	low	no
dichlobenil	Casoron 4G	caution	med	med	no
dimethenamid-p	Outlook	warning	med	low	no
*dimethenamid-p, atrazine	Commit ATZ, Guardsman Max	warning	high	med	no
diquat	Reglone	warning	v. low	high	no
*diuron (*MI only)	Direx 4L, Karmex DF, Parrot 4L, Parrot DF	caution	med	med	yes
EPTC	Eptam 7E, Eptam 20G	caution, warning	low	low	yes
ethalfluralin	Curbit EC, Sonalan HFP	danger	low	high	no
ethalfluralin, clomazone	Strategy	caution	med	high	no
ethofumesate	Ethotron SC, Nortron SC	caution	med	low	no
fluazifop-P	Fusilade DX	caution	low	med	yes
flumioxazin	Chateau SW, Valor SX	caution	low	med	yes
fluroxypyr	Starane Ultra	warning	med	low	no
fluthiacet-methyl	Cadet	warning	low	low	no
fomesafen	Reflex	danger	high	med	no
foramsulfuron	Option	caution	med	low	no
glufosinate	Liberty 280 SL, Rely 280	warning	low	low	yes
°glyphosate	Roundup PowerMax, Roundup Ultra, Touchdown	caution	low	high	no
glyphosate, sulfentrazone	Spartan Advance	caution	high	high	no
halosulfuron	Permit, Sandea	caution	med	low	no
imazamox	Raptor	caution	high	med	no
imazethapyr	Pursuit	caution	high	med	no
imazethapyr, saflufenacil	Optill	caution	high	med	no
imazosulfuron	League	caution	med	low	no
linuron	Linex 4L, Lorox DF	caution	med	med	no
MCPB	Thistrol	danger	low	low	no
mesotrione	Callisto, Quartz	caution	high	low	no
*mesotrione, atrazine	Callisto Xtra	caution	high	med	no
metribuzin	TriCor DF, TriCor 4F	caution	high	low	no
napropamide	Devrinol DF-XT	caution	med	med	no
nicosulfuron	Accent Q	caution	high	low	no
nicosulfuron, mesotrione	Revulin Q	caution	high	low	no
norflurazon	Solicam DF	caution	med	med	no
oxyfluorfen	Goal 2XL, GoalTender	caution, warning	v. low	med	no
*paraquat	Firestorm, Gramoxone SL	danger	v. low	high	yes
pelargonic acid	Scythe	warning	-	-	no
pendimethalin	Prowl 3.3 EC, Prowl H2O, Satellite Hydrocap	caution	low	high	no
pendimethalin, metribuzin	Tripzin ZC	caution	high	high	no
*phenmedipham	Spin-Aid	danger	low	med	no
phenmedipham, desmedipham	Betamix	warning	low	med	no
primisulfuron	Beacon	caution	high	low	no
prometryn	Caparol 4L	caution	med	med	yes
*pronamide	Kerb SC	caution	-	-	no
pyraflufen	Venue	caution	low	med	no
pyridate	Tough	warning	v. low	Low	no
pyroxasulfone	Zidua	caution	med	low	yes
pyroxasulfone, fluthiacet-methyl	Anthem Maxx	caution	low	low	no
quinclorac	QuinStar 4L	caution	high	med	no
quizalofop	Assure II, Targa	danger	med	high	no
rimsulfuron	Matrix SG	caution	med	low	no
saflufenacil	Sharpen	caution	med	low	no
°sethoxydim	Poast	warning	low	low	no
s-metolachlor	Dual Magnum, Dual II Magnum, Stalwart C	caution	high	med	no
*s-metolachlor, atrazine, mesotrione	Lexar, Lumax, Stalwart 3W	caution	high	med	no
sodium chlorate	Defol 5	caution	high	med	no
sulfentrazone	Spartan 4F, Portfolio 4F, Sulfin 4SC, Zeus XC, Zone 4F	caution	high	med	no
tembotrione	Laudis	caution	high	med	no
terbacil	Sinbar WDG	caution	high	med	no
tolpyralate	Shieldex	caution	low	low	no
topramezone	Armezon, Impact	caution	high	med	no
topramezone, dimethenamid-p	Armezon Pro	caution	high	med	yes
topramezone, glufosinate	Sinate	caution	high	med	no
°trifluralin	Treflan 4EC, Triflurex HFP	caution	low	high	no

Small package hardware and garden center herbicides

This table includes additional pesticides that you may find readily available at hardware stores and garden centers in smaller quantities. The products are listed alphabetically by **Active Ingredient**, with a selection of **Trade Names**. RTU = Ready-To-Use without dilution. RTS = Ready-To-Spray with hose-end container.

† = indicates biorational formulations that may be listed by the Organic Materials Research Institute (OMRI) and may be allowed in organic production – check with your certifier

‡ = indicates additional formulations that do not currently occur elsewhere in this guide as crop protection recommendations because they are not as well understood to be effective options

Active Ingredients	Trade Names
2,4-D amine	Hi-Yield 2,4-D amine
†ammoniated soap of fatty acids	Fertilome Grass & Weed Killer Non-Selective Concentrate and RTU
‡caprylic acid, capric acid	Bonide Botanical KleenUp, Bonide BurnOut FII
†corn gluten	Bonide Maize Weed Preventer, Espoma Organic Weed Preventer, Preen Natural Weed Preventer, Preen Organic Weed Preventer
glyphosate	Bonide KleenUp Super Concentrate HE and RTU, Southern Ag Weed Pro
sethoxydim	Bonide Grass Beater II, Hi-Yield Grass Killer, Fertilome Over-The-Top II, Monterey Grass Getter
trifluralin	Hi-Yield Herbicide Granules Weed and Grass Preventer, Preen Garden Weed Preventer, Monterey Vegetable & Ornamental Weeder

Herbicide Efficacy Table

This table includes efficacy information about the herbicides recommended in this guide. The products are listed alphabetically by **Active Ingredient**, with their common **Placement relative to weeds**. Weed control will vary with soil type and weather. Italics indicates the rating occurred in the MSU E0433 bulletin. Non-italics indicates the rating is original to the Midwest Veg Guide.

E=excellent

G=good

F=fair

P=poor

N=none

Active Ingredient	Placement relative to weeds	Barnyardgrass	Crabgrass, Large	Fall Panicum	Foxtails (green, giant, yellow)	Goosegrass	Lambsquarters, Common	Purslane, Common	Ragweed, Common	Galinsoga	Nightshade	Pigweed, Amaranth	Smartweeds, Ladythumb	Velvetleaf	Jimsonweed	Morningglory, Annual	Yellow Nutsedge
2,4-D	Weeds <3"	N	N	N	N	N	G	P	G	G	G	G	P	F	F	G	N
acetochlor	Surface Pre	G	G	G	G	G	G	F	F	G	G	G	P	P	P	P	G
alachlor	Surface Pre	G	G	G	G	G	F	G	P	G	G	G	P	N	P	N	F
ametryn	Weeds <3"	G	G	G	G	G	G	F	G	G	F	G	G	G	G	G	F
atrazine	Surface Pre	G	G	P	F	G	G	G	G	G	G	G	G	F	G	F-G	F
atrazine	Weeds <3"	<i>G</i>	<i>G</i>	<i>F</i>	<i>G</i>	-	<i>E</i>	<i>E</i>	<i>E</i>	<i>G</i>	<i>G</i>	<i>E</i>	<i>E</i>	<i>G</i>	-	-	<i>P</i>
benefin	Incorp Pre	G	G	G	G	G	F	P	P	P	P	G	P	P	P	P	P
bensulide	Incorp Pre	G	G	G	G	G	F	F	N	N	N	F	N	N	N	N	N
bentazon	Weeds <3"	N	N	N	N	N	F	F-G	F	G	P	P	G	G	G	F	G
bromoxynil	Weeds <3"	N	N	N	N	N	G	P	G	N	G	F	G	G	G	G	N
carfentrazone	Weeds <3"	N	N	N	N	N	G	N	F	N	G	F-G	F	G	N	G	N
clethodim	Weeds <3"	G	G	G	G	G	N	N	N	N	N	N	N	N	N	N	N
clomazone	Surface Pre	G	G	G	G	G	G	G	G	P	P	P	G	G	F	F	N
clopyralid	Weeds <3"	N	N	N	N	N	P	N	G	G	F	P	F	N	G	N	N
cycloate	Incorp Pre	G	G	G	G	G	F	F	P	F	P	G	P	P	N	N	F
DCPA	Surface Pre	G	G	G	G	G	F	F	N	P	N	F	N	N	P	N	N
dicamba	Weeds <3"	N	N	N	N	N	G	G	G	G	G	G	G	G	F	G	N
dimethenamid-p	Incorp Pre	G	G	G	G	G	F	G	P	G	G	G	P	N	P	N	F
diuron	Surface Pre	G	F	F	G	G	G	G	G	G	G	G	G	G	G	G	P
EPTC	Incorp Pre	G	G	G	G	G	F	G	P	P	F-P	G	P	F	N	P	F
ethafluralin	Incorp Pre	G	G	G	G	G	F-G	F-G	N-P	N-F	F	F-G	P	N	N	N	N
ethofumesate	Surface Pre	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	-	<i>F</i>	<i>F</i>	<i>P</i>	<i>P</i>	<i>F</i>	<i>F</i>	<i>G</i>	<i>P</i>	-	-	<i>F</i>
ethofumesate	Weeds <3"	<i>P</i>	<i>P</i>	<i>P</i>	<i>F</i>	-	<i>F</i>	<i>F</i>	<i>P</i>	<i>P</i>	<i>G</i>	<i>P</i>	<i>G</i>	<i>P</i>	-	-	<i>F</i>
fluaizifop-P	Weeds <3"	G	G	G	G	G	N	N	N	N	N	N	N	N	N	N	N
flumioxazin	Surface Pre	F	F	F	F	F	G	G	G	N	G	G	G	G	G	G	N
flumioxazin	Weeds <3"	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	-	<i>E</i>	<i>E</i>	<i>G</i>	<i>G</i>	<i>E</i>	<i>E</i>	<i>G</i>	<i>G</i>	-	-	<i>P</i>
fluroxypyr	Weeds <3"	N	N	N	N	N	P	G	G	N	F	P	P	G	F	G	N
fluthiacet-methyl	Weeds <3"	N	N	N	N	N	F	N	N	N	F	F	N	G	F	N	N
fomesafen	Surface Pre	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	-	<i>G</i>	<i>E</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>E</i>	<i>F</i>	<i>P</i>	-	-	<i>N</i>
fomesafen	Weeds <3"	N	N	N	N	N	N	N	F-G	N	F-G	N	N	N	N	N	N
foramsulfuron	Weeds <3"	G	F	G	G	G	G	G	G	P	G	G	F	G	G	F	P
glyphosate	Weeds <3"	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F
halosulfuron	Surface Pre	P	P	P	P	P	G	F	G	G	P	G	G	G	P	N	G
halosulfuron	Weeds <3"	N	N	N	N	N	P	N	G	G	N	F-G	F-G	G	N	F	G
imazamox	Weeds <3"	G	G	N	G	N	F	F	P-F	N	G	G	G	G	G	P-F	P-F
imazethapyr	Surface Pre	P	P	P	G	P	F	G	P	G	G	G	G	F	F	P	P
imazethapyr	Weeds <3"	<i>F</i>	<i>G</i>	<i>N</i>	<i>G</i>	-	<i>F</i>	<i>P</i>	<i>G</i>	<i>P</i>	<i>E</i>	<i>E</i>	<i>G</i>	<i>F</i>	-	-	<i>P</i>
imazosulfuron	Surface Pre	F	F	N	F	N	G	G	G	G	F	G	N	N	N	N	G
imazosulfuron	Weeds <3"	F	F	N	N	N	N	G	N	G	N	G	F	N	N	G	G
linuron	Surface Pre	F	F	F	F	F	G	G	G	G	F	G	G	G	F	P	N
linuron	Weeds <3"	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>F</i>	<i>G</i>	<i>N</i>
MCPB	Weeds <3"	N	N	N	N	N	F	N	N	N	N	F	F	N	N	F	N

Active Ingredient	Placement relative to weeds	Barnyardgrass	Crabgrass, Large	Fall Panicum	Foxtails (green, giant, yellow)	Goosegrass	Lambsquarters, Common	Purslane, Common	Ragweed, Common	Galinsoga	Nightshade	Pigweed, Amaranth	Smartweeds, Ladysthumb	Velvetleaf	Jimsonweed	Morningglory, Annual	Yellow Nutsedge
mesotrione	Surface Pre	N	N-P	N	N	N	G	N	P	G	G	G	G	G	G	F	N
mesotrione	Weeds <3"	N	N-P	N	N	N	G	N	F	G	G	G	G	G	G	F	N
metribuzin	Surface Pre	F	F	F	F-G	F	G	G	G	G	N	G	G	G	F	N	N
metribuzin	Weeds <3"	F	F	F	F	F	G	G	G	G	P	G	G	G	F	F-G	N
napropamide	Incorp Pre	G	G	G	G	G	F	G	N	P	N	G	P	N	N	N	N
nicosulfuron	Weeds <3"	G	P	G	G	G	P-F	P	P	P	P	G	G	P	G	G	P
norflurazon	Surface Pre	G	G	G	G	G	F	F	G	G	F	F	F	F	N	N	F
oxyfluorfen	Surface Pre	P	F	F	P	P	G	G	G	G	G	G	G	F	F-G	F	N
oxyfluorfen	Weeds <3"	P	P	P	P	P	F	G	G	G	G	F	F	F	G	F	N
paraquat	Weeds <3"	G	G	G	G	G	G	G	G	F-G	G	G	G	G	G	G	G
pendimethalin	Incorp Pre	G	G	G	G	G	G	G	P	N	P	G	P	P	N	N	N
phenmedipham	Weeds <3"	N	N	N	N	N	G	G	G	G	F	P	G	F	F	F	N
primisulfuron	Weeds <3"	P	P	G	F	-	F	N	E	N	G	E	G	G	-	-	F
prometryn	Surface Pre	F	G	F	F	-	E	G	G	F	G	E	F	F	-	-	P
prometryn	Weeds <3"	F	F	F	F	-	E	G	E	G	G	E	F	F	-	-	P
pronamide	Surface Pre	F	F	P	F	F	F	G	F	P	P	P	F	P	P	P	P
pyroxasulfone	Surface Pre	G	G	G	G	G	F	G	P	G	G	G	P	N	P	P	F
quinclorac	Weeds <3"	G	G	-	G	-	F	-	F	-	-	-	-	F	-	-	-
quizalofop	Weeds <3"	G	G	G	G	G	N	N	N	N	N	N	N	N	N	N	N
rimsulfuron	Surface Pre	G	P-F	G	G	G	F	F	P-F	N	P	G	F	F	F	P	P
rimsulfuron	Weeds <3"	G	P-F	G	G	G	F	F	P-F	N	P	G	F	F	N	F	F
saflufenacil	Surface Pre	N	N	N	N	N	G	F-G	G	G	G	G	G	G	F-G	P-F	N
sethoxydim	Weeds <3"	G	F-G	G	G	G	N	N	N	N	N	N	N	N	N	N	N
s-metolachlor	Surface Pre	G	G	G	G	G	F	G	P	G	G	G	P	N	P	N	F-G
sulfentrazone	Surface Pre	F	F	F	F	F	G	G	N	G	F	G	G	F	G	G	G
sulfentrazone	Weeds <3"	P	P	F	F	-	G	F	F	F	G	E	G	G	-	-	F
tembotrione	Weeds <3"	G	G-F	F	F-G	G	G	N	G	G	G	G	G	G	P	F	N
terbacil	Surface Pre	G	G	G	F-G	G	G	G	G	G	G	F-G	G	G	G	F-G	P
terbacil	Weeds <3"	F	P	F	P	-	E	E	G	G	G	F	G	F	-	-	P
tolpyralate	Weeds <3"	F	G	N	G	F	G	N	G	N	F	G	F	G	N	F	N
topramezone	Weeds <3"	F	F	P	P-F	F	G	N	G	G	G	G	G	G	G	P	N
trifluralin	Incorp Pre	G	G	G	G	G	G	G	P	N	P	G	P	P	N	F	N
triflurosulfuron	Weeds <3"	P	P	P	N	-	P	P	F	F	F	F	F	G	-	-	P

Corn Herbicide Rotation Restrictions

This is rotational restriction information for corn herbicides. The products are listed alphabetically by **Trade Names**, and the body of the table shows the **Number of Months** you must wait to plant different vegetables after applying that herbicide.

AT=anytime herbicide labeled for the crop or no rotation restriction exists

FB= field bioassay required before planting the crop

NNY= not next year, the crop cannot be planted the following year

NY=the crop can be planted the year after application

V=variable, intervals vary by crop variety or other conditions specified on label

*Transplanted tomatoes only

Trade Names	Tomato	Pea	Snap Bean	Sweet Corn	Cucurbits	Potato	Cole Crops
Aatrex and others	NNY	NNY	NNY	AT	NNY	NNY	NNY
Accent, soil pH < 6.5	10	10	10	10	10	10	10
Accent, soil pH > 6.5	18	18	18	18	18	18	18
Acuron	18	18	18	AT	18	18	18
Aim	AT	AT	AT	AT	V	V	12
Anthem, Anthem ATZ	18	11	11	AT	18	4	18
Balance Pro	18V	18V	18V	6	18V	6	18V
Basis	1	10	10	10	18	AT	18
Beacon	18	8	8-18	8	18	8-18	18
Bicep II Magnum	NNY	NNY	NNY	AT	NNY	NNY	NNY
Callisto	18	18	18	AT	18	18	18
Camix	18	18	18	AT	18	18	18
Celebrity Plus	10-18V	10	10	10-15V	10-18V	10-18V	10-18V
Corvus	17-24V	17-24V	17-24V	9-17V	17-24V	17-24V	17-24V
Define	12	12	12	AT	12	1	4-12V
Harness Xtra	NNY	NNY	NNY	AT	NNY	NNY	NNY
Hornet	26	10.5-18V	10.5-18V	10.5-18V	26	18	26
Impact	18	9-18V	9-18V	AT	18	9	18
Lariat, Bullet	NNY	NNY	NNY	AT	NNY	NNY	NNY
Laudis	10	10	10	AT	18	10	18
Leadoff	1	10	10	10	10-18	1	18
Lightning	40	9.5	9.5	18	40	26	40
Lumax, Lexar	18	18	18	AT	18	18	18
Marksman	NNY	NNY	NNY	NY	NNY	NNY	NNY
Northstar	18	8	8	8	18	8	18
Permit	2-8*	9	2-9	3	2-9	9	15-18
Prequel	18	18	10-18V	10	18	6	18
Princep	NNY	NNY	NNY	AT	NNY	NNY	NNY
Resolve DF, Resolve Q	1-1.5	10	10	10	18	18	18
Revulin Q	18	18	18	10-15V	18	18	18
Spirit	10-18V	10V	10V	8V	18	18	18
Steadfast	10-18V	10	10	10-15V	10-18V	10-18V	10-18V
Stinger	18	18	18	AT	18	18	AT
Surestart	26+FB	NY	26+FB	10.5-18V	26+FB	40+FB	26+FB
Surpass, TopNotch, FulTime	NNY	NNY	NNY	NY	NNY	NNY	NNY
Zidua	18	4-11	11	0	18	4	18

Soybean Herbicide Rotation Restrictions

This is rotational restriction information for soybean herbicides. The products are listed alphabetically by **Trade Name**, and the body of the table shows the **Number of Months** you must wait to plant different vegetables after applying that herbicide.

AT=anytime herbicide labeled for the crop or no rotation restriction exists

FB= field bioassay required before planting the crop

NNY= not next year, the crop cannot be planted the following year

NY=the crop can be planted the year after application

V=variable, intervals vary by crop variety or other conditions specified on label

*Transplanted tomatoes only

**In Indiana only, 18m for transplanted tomatoes and peppers, cabbage, melons, and cucumbers

Trade Names	Tomato	Pea	Snap Bean	Sweet Corn	Cucurbits	Potato	Cole Crops
Authority Assist	30+FB	10	10	18	30+FB	26	18-40V
Authority First, Sonic	30+FB	9-12-30+FB,V	30+FB	18	30+FB	18	30+FB
Boundary	12	8	12	4	12	0	12
Canopy, Canopy EX	9-10*	9-12	9-12	18	18-30V	18-30	18-30V
Classic	10*	12	12	18	18-30	30	30
Command	9	AT	9	9	AT	9	V
Envive	12*	12	12	18	18-30V	18-30V	18-30V
Extreme	18-40+FB,V	18-40+FB,V	18-40+FB,V	18-40+FB,V	18-40+FB,V	26	18-40+FB,V
FirstRate	18	9	9	18	18	18	18
Flexstar	10*	4	0	10	10-12	0	18
Optill	40+FB	4	4	18	40+FB	26	40+FB
Prefix	10	10	0	10	18	1	18
Pursuit**	40+FB	AT	2	18	40+FB	26	40+FB
Python	26	4	4	10.5-18V	26	12	26
Raptor	9	AT	AT	9	9	9	V
Reflex	10*	4	0	10	10-12	0	18
Scepter	18	18	11	18	18	18	18
Sencor	4	8	18	4	18	12	18
Spartan	AT*	12	12	18	12	12	12V
Synchrony XP	9*	9-12	9-12	18	18-30	18	18-30
Valor SX or EZ	4-12	3-4	3-4	3-4	4-12	4-10	4-12
Valor XLT	12	12	12	18	18	18	18
Xtendimax	1-6V	1-6V	1-6V	1-6V	1-6V	1-6V	1-6V