



KOVA FERTILIZER INC.
1330 N. Anderson St.
Greensburg, IN 47240
(812) 663-5081

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Kova Fertilizer, Inc. 2014-2015

Herbicide Products for use on SOYBEANS

Products	Crop	RU	Chemical/Common Name	Application	Grass	Broadleaf	Rate/Acre	Comments & Spray Additives	Additional Comments
Anthem	CB		Pyroxasulfone, Fluthiacet-methyl	PP, Pre E, E Post	X	X	5-12 ozs * soil type	NIS 1 Qt/100 or MSO or COC @ 1-2 pints /A	
Assure II	B		Quizalofop P-Ethyl		X		5-10 ozs	COC @ 1% & 28% at 4%	
Authority Assist	B		Sulfentrazone/ Imazethapyr	EPP, PP, PPI, PreE		X	6-12 ozs	RR rate 4-6 oz. Do not incorporate deeper than 2 inches.	
Authority Elite	B		Sulfentrazone, S-Metolachlor	EPP, PP, PPI, Pre E, Fall	X	X	19 - 38.7 ozs		Pre Emergence use up to 3 days after planting but prior to emergence.
Authority First / Sonic	B		Sulfentrazone / Cloransulam-methyl	EPP, PP, PPI, PreE	X	X	6.45-8.0 oz	RR rate 3-4 oz. Depending on OM and soil texture.	Use NIS .25% v/100g + AMS @ 2.5% v/v
Authority Maxx	B		Sulfentrazone / Chlorimuron	EPP, PP, PPI, PreE, Fall	X	X	5 - 9.6 ozs	Same as Authority XL but has reduced rate of Chlorimuron	Pre Emergence use up to 3 days after planting but prior to emergence.
Authority MTZ	B	X	Sulfentrazone / Metribuzin	EPP, PP, PPI, PreE, Fall	X	X	12-20 ozs	RR rate 8-14 oz. Depending on OM & Soil texture	Do not apply if less than 1% OM. Or if the pH is more than 7.5%
Authority XL	B		Sulfentrazone / Chlorimuron	EPP, PP, PPI, PreE, Fall		X	5-9 ozs	RR rate 3-5 oz	For waterhemp control you need .25 lb a.i. Or more of sulfentrazone
Autumn Super WDG	B		Iodosulfuron-Methyl Sodium	Burndown		X	.3 ozs	use COC @ 1% v/100g + UAN @ 1.5-2 qt/a or AMS	
Basagran	B		Bentazon	Post		X	1.3-2.6 qts	COC @ 1 qt/A	Many tank mixes.
Boundary 6.5 EC / Tailwind	B		Dual II Mag/Sencor	PP, PPI, PreE	X	X	See Comments	<3% OM 1.2-2.7 Pts >3% OM 1.5-3.0 Pts	Do not use on soil pH above 7.0. See label for rates w/tank mix partners
Buccaneer Plus / Glystar + / Credit 41 Extra	B		Glyphosate	PP, PreE, RR, Burndown	X	X	16-48 ozs	AMS @ 8.5-17#/100g	
Cadet	CB		Fluthiacet-methyl	Post		X	0.6-0.9 ozs	COC @ 1qt./A & AMS 2#/A	
Canopy / Cloak	B		Metribuzin/Chlorimuron	EP, PPI, PreE, & Burndown	X	X	3-7 ozs	COC @ 1g/100g & AMS @ 2 lb./A	
Canopy EX / Cloak EX	B		Chlorimuron ethyl/ Tribenuron Methyl	Burndown, Pre		X	1.1-3.3 ozs	Use COC@1g/100g or NIS @1qt/100g	Classic and Express
Classic DF (ALS)	B		Chlorimuron ethyl	Post		X	.5-.75 ozs	COC @ 1% & 28% at 4% or 4g/100g pf Addition Plus	
Cobra	B		Lactofen	Post		X	12.5 ozs	Adjuvants based on the % relative humidity	Please read the label
Dual II Mag / BRAWL II	B		S-Metolachlor	PP, PPI, PreE	X	X	1-2 pts	Many Tank Mix Combinations	
Enlite	B		Chlorimuron ethyl, Flumioxzin, Thifensulfuron Methyl	PP, PreE		X	2.8 ozs	COC 1g/100g or NIS 1qt./100g	
Envive	B		Chlorimuron ethyl/Flumioxazin/Thifensulfuron	PP, PreE	X	X	2.5-5.3 ozs	COC @ 1g/100g or NIS @ 1 qt./100g	
Express with Total Sol	B		Tribenuron-methyl 50%	PP, Burndown		X	0.25-0.5 ozs	NIS .5-4pts/100g or COC @ 1g/100g	
Extreme / Thundermaster	B		Glyphosate/Isopropalamine Salt/Imazethapyr	Burndown	X	X	3 pts	NIS 1 pt/100g. AMS 12-15#/100g.	
Fierce	CB		Flumioxazin, Pyroxasulfone	Fall, Spring Preplant, PreE	X	X	3-3.75 ozs	AMS + NIS or COC with burndown partner	Pre Emergence use up to 3 days after planting but prior to emergence.
First Rate (ALS)	B		Chloransulam-Methyl	PPI, Pre E, PP, Epost		X	See Comments	.3 oz Foliar / .6 oz <3% OM/ .75 oz>3%OM	NIS 1-2 pts/100g + UAN 2.5 g/100g
Flexstar / Rumble / Rhythm	B		Fomesafen, Sodium salt	Post		X	1-1.5 pts	Add NIS @ .5-1 pt/25 g or COC @ 1-2 pt/25 gal	Use 1.5 pt rate south of I-70
Flexstar GT 3.5	B		Fomesafen, Glyphosate	PP, PreE, Post RR	X	X	3.5 - 5.3 pts	RR Beans ONLY Post AMS 8.5 to 17#/100. COC	Addition of NIS @ 1 Q/100 or COC / MSO at .5 to 1 gal/100 can be used if needed.
Fusilade DX	B		Fluazifop	Post	X		6-12 ozs	ALWAYS use: NIS @ 1 qts/100 or COC @ .5-1 gal/100	
Fusion	B		Fusilade DX/Fenoxaprop	Post	X		6-10 ozs	NIS @ .5-1 pt/25 g or COC @ 1-2 pts/25 g	
Gangster (ALS)	B		Chloransulam/Flumioxazin	PreE		X	3.1-3.6 ozs	Two different modes of Action Valor & Firstrate	Use between 14 days before to 3 days after planting
Durango DMA/Duramax	B		glyphosate dimethylamine salt	PP, PreE, RR, Burndown	X	X	1.5-3.0 pts	5.4# Glyphosate	use AMS
Harmony SG w Total Sol	CB		Thifensulfuron methyl 50%	Post		X	0.125 ozs	NIS @ 1qt/100g or COC @1g/100g plus AMS@2-4#	
Harmony Extra SG with Total Sol	W		Thifensulfuron-methyl--tribenuron-methyl	*Post WHEAT		X	0.45-0.9 ozs	NIS .5-4pts/100g or COC, MSO @ 1g/100g	Do not use in corn or soybeans, use on wheat, barley, triticale, oats, fallow only.
Intro	B	X	Alachlor	PPI, PreE	X		2-3 qts	Rate dependant of soil type and O.M.	
Liberty 280 SL	CB		Glufosinate Ammonium	PP, Post	X	X	22-29 ozs	Follow Seasonal max use rates. Use 3# AMS / acre	For use on Liberty Corn and Soybean traited seed.
Marvel	B		Fluthiacet methyl, Fomesafen	PP, Post		X	5-7.5 ozs	AMS + NIS 1 Qt/100 or COC or MSO @ .5-1 gal/100 gal	
Optill	CB		Saflufenil, Imazethapyr	PP, PreE	X	X	1.5-2.0 ozs	COC @ 1g/100g + AMS 8.5-17 #/A	Use prior to crop emergence only. Do not use any NIS.
Optill Pro	B		Saflufenil, Imazethapyr, Dimethenamid	Fall, Spring Preplant, PreE	X	X	20 acres per copack	AMS @ 8.5-17# /100g + MSO @ 1 gal/100	Burndown plus residual, DO NOT Apply after crop emergence.
Phoenix 2E	B		Lactofen	Post		X	8-12.5 ozs	Use NIS @ .125-.25% v/v	Lighter burn than Cobra, but same active ingredient.
Prefix / Vise	B		S-Metolachlor/Fomesafen	PP, PPI, Pre E	X	X	2-2.5 pts	Do Not exceed 2.5 pt/a/year	
Prowl 3.3 / Acumen	B		Pendimethalin	PPI, PreE	X		1.8-3.6 pts	Good on grasses and small seeded broadleaves.	
Prowl H2O	B		Pendimethalin	PP, PPI	X		1.5-3.0 pts	May be fall applied	
Pursuit / Thunder	CB		Imazethapyr	EPP, PPI, PreE, Post	X	X	4 ozs	For Clearfield corn only one appl. Per year.	
Raptor	B		Imazamox	Post	X	X	4-5 ozs	use COC and Nitrogen Solution	
Reflex 2LC	B		Fomesafen, Sodium salt			X	1-1.25 pts	MSO @ 1g/100g or NIS @.5-1pt/25g or	COC @ 1-2 pt/25g + 28% @ 2g/100g or Addition Plus @ 4 g/100g
Roundup Weathermax/Powermax	B		Glyphosate Potassium Salt	PP, PreE, RR, Burndown	X	X	16-32 ozs	AMS @ 8.5-17# /100g	
Scepter 70DG (ALS)	B		Imazaquin	Post		X	2.8 ozs	NIS @ 2pt/100g or COC @ 1-2pt/A	Controls V.Corn @ .25 oz
Select Max	B		Clethodim	Post	X		9-16 ozs	COC 1 qt by ground. Add AMS to improve control	
Sequence	CB		Glyphosate, Metolachlor	PreE, and Post RR	X	X	2.5-4.0 pts	AMS at 8.5-17 # / 100g	Apply only to RR traited crops post emergence.
Sharpen	CB		Saflufenil	Burndown		X	1-3 ozs	MSO 1g./100g. Or 8.5-17# dry AMS	
Synchrony XP	B		Chlorimuron Ethyl/Thifensulfuron Methyl	Post		X	.75 ozs	STS Beans only, use COC, NIS,28% or AMS	Classic and Harmony GT
Torment	B		Fomesafen, Imazethapyr	PP, PPI, Pre E, E Post		X	.75-1 pts	AMS @ 8.5#/100 + NIS 1Q/100 or MSO/COC @ 1g/100	
Touchdown Total / Traxion	B		Glyphosate	Burndown, Post RR	X	X	24-48 ozs	AMS 4.25-17 #/100g	
Tricor DF /Metri DF / Glory	B		Metribuzin	PreE		X	8--18.6 ozs	Broadleaf control on Jimson, Smartweed	
Trifluralin / Triflurex	B		Trifluralin	PPI	X		1-2 pts	Most annual grasses and minimal Broadleaves.	
Ultra Blazer	B		Acifluorfen-Sodium	Post		X	16-24 ozs	If used as tank mix, see label first. Use 1 pt NIS/100g	
Valor SX / Encompass	B		Flumioxazin	PP, Pre E		X	2-3 ozs	It is a 51% WDG. It is a PPO inhibitor	
Valor XLT	B		Flumioxazin/Chlorimuron Ethyl	Pre E Burndown		X	3-5 ozs	.25% v/v NIS + AMS @ 8.5-17 lb/100 g	Can Substitute COC at 1-2 pt/a for NIS to increase effectiveness
Volunteer / Arrow 2EC / Shadow	B		Clethodim	Post	X		4-16 ozs	COC @ 1qt/a + 28% N @ .5g/a	
Warrant	B		Acetochlor	PostE	X		1.25-2.0 qts	SB emergence to R2 growth stage.	
Weedone LV 4 EC/ No Sol	B		2, 4-D/2-Ethylhexyl ester	EPP, PP		X	.75 - 2 pts	For Broadleaf Burndown or Post use in Corn	0.75 - 1 pint not less than 7 days Preplant. 1 - 2 pints not less than 15 days Preplant.
Weedone LV6 EC	C - B*		2, 4-D Ethylhexyl ester	PP, Pre E, Post		X	.5 - 1.75 pts	For Broadleaf Burndown or Post use in Corn	.5-.67 pint not less than 7 days Preplant. .67-1.33 pints not less than 15 days Preplant.
Weedmaster / Rangestar	Burn		dicamba, 2, 4-D Dimethylimine	Fall Burndown		X	.5 - 5 pts	Surfactants, AMS, Crop Oil can be used if desired	For Broadleaf Burndown Prior to cropping - 120 day plantback restriction
Zidua	CB		Pyroxasulfone	EPP, PP, PPI *Epost, Fall	X	X	1.5 to 3.5 ozs	May require adjuvants for Burndown of emerged weeds.	*Do not apply from cracking through unifoliate. Rate based on soil type.

Foliar Applied Fungicides

Products	RU	Chemical/Common Name	Application / Group	CORN Rate/Acre	SOYBEAN Rate/Acre	Comments & Spray Additives	Additional Comments
Approach		Picoxystrobin	Post 11	6-12 ozs	6-12 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Preventative, Wheat Label
Approach Prima		Picoxystrobin & Cyproconazole	Post 3 11	3.4 -6.8 ozs	5-6.8 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Preventive & Curative, Wheat Label
Domark 230 ME		Tetraconazole	Post 3	4-6 ozs	4-5 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Do not apply more than 10 oz. Soybeans & 6 oz. Corn Per year
Echo720 / Equus 720 SST		Chlorothalonil	Post M	0	1-2.5 pts	Rust (suppression)	Protectant / Preventative
Endura		Boscalid	Post 7	3.5-11 ozs		Adjuvant can be used if needed.	
Fortix		Fluoxastrobin & Flutriafol	Post 3 11	4-6 ozs	4-6 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Preventive & Curative
Folicur 3.6 F / Orius		Tebuconazole	Post 3	0	0	Wheat and Barley 4 oz per acre	Rusts, Head Blight and Head Scab
Headline EC		Pyraclostrobin	Post 11	6-12 ozs	6-12 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Preventative, Wheat Label
Headline SC		Pyraclostrobin	Post 11	6-12 ozs	6-12 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Wheat Label
Headline AMP		Pyraclostrobin & Metconazole	Post 3 11	10-14.4 ozs	0	Do not use adjuvants after V8 stage of corn	Wheat Label
Priaxor		Pyraclostrobin & Fluxapyroxad	Post 7 11	4 ozs	4-8 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Preventive & Curative, Wheat Label
Proline 480 SC		Prothioconazole	Post 3	5.7 ozs	2.5-3.0 ozs	Use NIS at the lowest rate.	Wheat Label
Quadris		Azoxystrobin	Post 11	6.2-9.0 ozs	6.2-15.4 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Preventive, Wheat Label
Quadris Top SB		Azoxystrobin, Difenoconazole	Post 3 11		8-14 ozs		
Quadris Opti		Azoxystrobin, Chlorothalonil	Post 11 M	X	X		1.6-3.6 pts/A Potatoes, Tomatoes and Vegetables
Quilt		Azoxystrobin & Propiconazole	Post 3 11	7 -14 ozs	14 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Preventive & Curative, Wheat Label
Quilt Xcel		Azoxystrobin & Propiconazole	Post 3 11	10.5-14 ozs	10.5-21 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Preventive & Curative, Wheat Label
Stratego YLD		Propiconazole/Trifloxystrobin	Post 3 11	2-5 ozs	4-4.65 ozs	No adjuvants V8 to VT corn. Crop Oil or adjuvant on SB	Preventive & Curative, Corn 10 oz / SB 13.95 oz max per season
Tilt / Bumper		Propiconazole	Post 3	2-4 ozs	4-6 ozs	Adjuvant can be used if needed.	Curative, Wheat Label