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Kova Fertilizer, Inc. 2014-2015

Herbicide Products for use on CORN

Products	Crop	RU	Chemical/Common Name	Application	Grass	Broadleaf	Rate/Acre	Comments & Spray Additives	Additional Comments
Abundit Extra	CB		Glyphosate 41% Isopropylamine salt	PP, Pre E, RR, burndown	X	X	16-48 ozs	Use AMS 8.5-17#/100 gal of spray	Fully loaded may use AMS + NIS for improved performance
Accent Q	C		Nicosulfuron, Rimsulfuron	Post	X		.45 (.90) 1.8 ozs	1 gal COC & 4 gal 28%/100g	2-4 # AMS per acre + 1 qt NIS/100 or 1 gal/100 COC or 1/5 gal MSO/100
Aim EC	C		Carfentrazone-Ethyl	Post		X	.5-1.0 fl ozs	NIS 1 qts/100	
Anthem	CB		Pyroxasulfone, Fluthiacet-methyl	Fall, PP, Pre E, Post	X	X	7-13 ozs * soil type	NIS 1 qts/100 or MSO or COC @ 1-2 pts /A	Can use a silicone based surfactant at 1 Qt/100 gal and add AMS if desired.
Anthem ATZ	C	X	Pyroxasulfone, Fluthiacet-methyl, Atrazine	EPP, PPI, Pre E, Post	X	X	2-4 pts * soil type	NIS 1 qts/100 or MSO or COC @ 1-2 pts /A	Can use silicone based surfactant at 1 Qt/100 gal and add AMS if desired. + atrazine
Armezon	C		Topramezone	Post	X	X	0.5 to 1 ozs	AMS 8.5-17#/100 + COC or MSO @ 1-1.5 gal/100	Apply up to V8 stage Corn.
Atrazine / Aatrex	C	X	Atrazine	PP, PPI, Pre E, Post	X	X	1.3-2.2# a.i.	Not to exceed 2.5# a.i./Yr	Use COC @ 1 qt/A for Post Applications. Shallow incorporation improves performance
Balance Flexx	C	X	Isoxaflutole	PP, PPI, PreE, Epost	X	X	3-6 ozs	Do not use COC or MSO post	Do not tank mix with organophosphate or carbamate to emerged corn.
Banvel	C		Dicamba	Early Post		X	.25-.5 pt	Can use .5 g 28%/A when it is dry.	Do not exceed more than 1.5 pts/acre/year. Not labeled for Sweet Corn
Basagran	CB		Bentazon	Post		X	.75-1 qts	COC 1 qts/A for Yellow Nutsedge	
Basis Blend	CB		Rimsulfuron, Thifensulfuron-methyl	PP, PreE, E Post	X	X	0.825-2.50 ozs	AMS 2#/A + NIS 1qts/100 or MSO or COC 1 gal/100	0.825 oz/A post corn up to 6" tall (2 collar) Fall Burndown Flex acre rate 0.825 oz/A
Bicep II Mag / Brawl II ATZ / Cinch ATZ	C	X	S-Metolachlor, Atrazine	PP, PPI, Pre	X	X	1.3-2.6 qts	Many Tank Mix Combinations	
Brox 2EC	C		Bromoxynil	Post		X	1-1.5 pts	Do not use with any additives	
Buccaneer Plus / Glystar + / Credit 41 Extra	CB		Glyphosate 41% Isopropylamine salt	PP, Pre E, RR, burndown	X	X	16-48 ozs	Use AMS 8.5-17#/100 gal of spray	Fully loaded may use AMS + NIS for improved performance
Callisto 4SC	C		Mesotrione	Pre E, E. Post		X	See Comments	6-7.7 ozs Pre E or 3 ozs E. Post	Do not use post if Counter or Lorsban was used. Use COC & AMS
Callisto GT	C		Glyphosate, Mesotrione	RR Corn Post	X	X	2 pts	AMS 8-17#/100 + NIS 1qts/100 or COC @ 1gal/100	ONLY RR traited corn from emergence to 30" tall. DO NOT USE MSO
Callisto Extra	C	X	Mesotrione, Atrazine	Post		X	20-24 ozs	AMS 8-17#/100 + NIS 1qts/100 or COC @ 1gal/100	Apply post to corn from emergence to 12" tall. DO NOT USE MSO
Capreno	C		Thiencarbazone-methyl, Tembotrione		X	X	3 ozs		Do not use with Lorsban, Counter, and other organophosphate insecticides.
Clarity	C		Dicamba, Diglicolamine salt	PP, Pre E, Post		X	16 ozs	.5-1 gal of 28% to improve post control	for soil with 2% or less O.M. use 8 oz
Corvus	C	X	Thiencarbazone-methyl, Isoxaflutole	Pre, PPI	X	X	See Comments	3.33 oz. On <2% OM--5.6 oz. On >2% OM soil	Not for popcorn or sweetcorn
Degree Xtra / FulTime NXT	C	X	Acetochlor Atrazine	EPP, PPI, Pre E, Post	X	X	2.9-3.7 qts	Rate dependant of soil type and O.M.	
Dicamba	C*		Dicamba	EPP, PreE, PPI, Post		X	.5 - 1.5 pts	Surfactants, AMS, COC can be used for BURNDOWN	For Broadleaf Burndown or Post use in Corn (do not use oils post in corn)
Distinct	Burn		Diffenazopyr & Dicamba	Fall / Spring Burndown		X	2-8 ozs	AMS 5#/100 + (NIS 1qt/100 or MSO @ 1.5-2 pint/A)	2-8 oz/A Fall (120 day plantback) 2-4 oz/A spring 30 day PPI Soybeans *see label
Dual II Mag / Brawl II	C		S-Metolachlor	PP, PPI, Pre E	X		2.0-2.5 pts	Many Tank Mix Combinations	
Durango DMA	CB		Glyphosate 50.2% dimethylamine salt	PreE burndown, Post	X	X	24 ozs	Use AMS 8.5-17#/100 gal of spray	
Expert	C	X	S-Metolachlor, Atrazine, Glyphosate	PP, PreE, *E Post	X	X	2.5-3.75 qts	AMS if desired	*Do not apply after corn emergence unless it has RR trait.
Fierce	CB		Flumioxazin, Pyroxasulfone	Fall & Spring Preplant	X	X	3-4.5 ozs	AMS + NIS or COC with burndown partner	7 day preplant interval at 3 oz rate for no till and 30 day on conventional tillage
Gramoxone SL	CB	X	Paraquat dichloride 30.1%	No Till, PP, Pre E	X	X	1-4 pts	NIS @ 1-2 pts/100 g or COC @ 1 g/100 g	Non Selective Dessiccant / Defoliant
Halex GT	C	X	Glyphosate, Mesotrione, S-Metolachlor	Post	X	X	3.6-4.0 pts	NIS @ 1-2 qt/100g and AMS @ 8.5-17 #/100/g	Do not use UAN for carrier/For RR post application Roundup/Dual/Callisto
Harness / * NXT varieties next line	C		Acetochlor	EPP, PPI, Pre E, Post	X	X	1.25 - 2.75 pts		Acetachlor Only for Broadleaf control (light)
* BreakFree NXT / Surpass NXT / Volley NXT	C		Acetochlor	EPP, PPI, Pre E, Post	X	X	1.25 - 2.75 pts		Acetachlor Only for Broadleaf control (light)
Harness Xtra 5.6 / * NXT varieties next line	C	X	Acetochlor, Atrazine	EPP, PPI, Pre E, Post	X	X	1.4-3 qts		Acetachlor & Atrazine Premix
* BreakFree NXT ATZ / Keystone NXT / Volley ATZ NXT	C	X	Acetochlor, Atrazine	EPP, PPI, Pre E, Post	X	X	1.4-3 qts		Acetachlor & Atrazine Premix
Hornet WDG	C		Clopyralid, Flumetsulam	EPP, PPI, Pre E, Post		X	See Comments	3.2-4.0 oz to spike stage 1.6-4.0 oz	NIS 1 qt/100 g or COC 1 g/100 g 2,4-D Combination. Stinger & Python
Impact 2.8 SC	C		Topramezone	Post	X	X	0.75 ozs	AMS 8.5-17#/100 + COC or MSO @ 1-1.5 gal/100	Apply up to V8 stage Corn. For best results use with .25-1.5 # of Atrazine.
Instigate	C		Rimsulfuron, Mesotrione	PP, PPI, Pre E, Post	X	X	5.25 - 7 ozs	AMS 8-17#/100 + NIS 1qt/100 or COC/MSO @ 1gal/100	5.25 oz/A Early Post through V2 corn. DO NOT USE MSO POST
Laudis	C		Tembotrione	Post	X	X	3 ozs	MSO @ 1g/100g COC @ 1%v/v 8.5# AMS/100g	Can apply up to V8 stage Corn Do not exceed 6 oz/season
Leadoff	CB		Rimsulfuron, thifensulfuron-methyl	C PP, Pre E - SB Preplant	X	X	1.5-2.7 ozs	AMS 2#/A + NIS 1qt/100 or MSO or COC 1gal/100	1.5 ozs for most applications. Do not use post in crop. Soybean 30 day PrePlant.
Lexar EZ	C	X	Metolachlor, Atrazine, Mesotrione	PP, Epost	X	X	See Comments	< 3% OM 3 qt/ > 3% OM 3.5 qt	From 14 days before planting to 12" corn Dual/Callisto/Atrazine
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.
Lumax EZ	C	X	Atrazine, Mesotrione, Metolachlor	EPP, Pre E, E Post	X	X	See Comments	<3% OM 2.5 qts/ >3% OM 3.0 qt	COC, MSO or AMS Preplant. NIS only post, corn up to 5". Storage down to -10 F
NorthStar	C		Primisulfuron-methyl, Dicamba	Post V2-V6	X	X	5 ozs	AMS 2-4#/A + NIS @ 1qts/100 Can use COC <12"H	Do not use where Organophosphaphate insecticides have been applied.
Optill	CB		Saflufenil, Imazethapyr	PP, PreE	X	X	1.5-2.0 ozs	COC @ 1g/100g + AMS 8.5-17 #/A	BURNDOWN Use prior to crop emergence only. Do not use any NIS.
Outlook / Establish	C		Dimethenamid	EPP, E Post	X	X	12-21 ozs	Resolved Isomer of Frontier	
Parallel / Me-too-Lachlor II	C		Metolachlor	EPP, PPI, Pre E, E Post	X		1-2.50 pts *		*Me-too-Lachlor II use rate 1-2.55 pts/Acre Varries by Soil OM and texture.
Parallel Plus / Trizmet II	C	X	Atrazine & Metolachlor	EPP, PPI, Pre E, E Post	X	X	1.9-2.8 qts *		*Trizmet II use rate 1.3-2.5 qts/A Varries by Soil OM and texture.
Prequel	C	X	Rimsulfuron, Isoxaflutole	PPI, PreE	X	X	1.66-2.5 ozs	NIS or COC and AMS (not for <1% OM soil)	Not for seed, popcorn, or sweetcorn.
Princep / Simazine	C		Simazine	PP, Pre E	X	X	1-2 qts	As needed for tankmix partner.	Max use Fall applied is 1 qts/A. Do not exceed 2.5 qts/A corn per calendar year
Sequence	CB		Glyphosate, Metolachlor	Pre E, 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		Saflufenacil	Burndown		X	1-3 ozs	MSO 1g./100g. Or 8.5-17# dry AMS	
Spirit	C		Prosulfuron, Primisulfuron	Post 4" to 20" (V6)	X	X	1 ozs	NIS @ 1 qts/100	
Status	C		Diffufenazopyr & Dicamba	Post 4-36" corn		X	5-10 ozs	COC 1-2pts./A + AMS @ 5-17 #/100g	Do not tank mix with Dual II Mag, Harness, Outlook, or Surpass.
Require Q	C		Rimsulfuron 6.25%, Dicamba	Post		X	4 ozs	COC 1g/100g or MSO .5g/100g or NIS 1qt/100g	
Resolve Q	C		Rimsulfuron, thifensulfuron-methyl	Post	X	X	1.25 ozs	NIS 1qt/100g or COC @ 1g/100g or 2 lbs. AMS/A	corn up to 20 "
Resource	CB		Flumicloric pentyl ester	Post		X	4 ozs	Good on velvetleaf COC 1 qt/A	
Roundup Weathermax / Powermax	CB		Glyphosate 48.7% Potassium Salt	PP, Pre E, No Till	X	X	16-32 ozs	NIS .5% or 2 qt/100 g spray solution	use 8.5-17# AMS/100 g/ Does not need adjuvants for Soybeans
Status	C		Diffufenazopyr & Dicamba	Post		X	5-10 ozs	AMS + (NIS 1qt/100 or MSO or COC @ 1-2 pint/A)	
Steadfast Q	C		Nicosulfuron, Rimsulfuron	Post	X	X	1.5 ozs	COC @ 1g/100g + 2 lbs AMS	Do Not Apply to Seed, Pop, or Sweet Corn and no Corn taller than 20 inches
Stinger	C		Clopyralid, Monoethanolamine Salt	Post		X	4-20.8 ozs	Surfactants not needed. Rainfast in 6-8 hrs.	
Surestart / Tripleflex / Staunch	C		Acetachlor, Flumetsulam, Clopyralid	EPP, PreE, PPI, E Post	X	X	1.5-2.0 pts	Use only on herbicide tolerant corn	No Adjuvants necessary unless with Tank mix partner
Traxion / Touchdown Total	CB		Glyphosate 44.9% Potassium Salt	PreE burndown, Post	X	X	24-48 ozs	Product loaded but may use AMS 4.25-17 lbs./A	
Verdict	CB		Safluenacil, Dimethenamid	PP, Pre	X	X	C 10-18 / SB 5 ozs	MSO 1g/100g +AMS 8.5-17 lbs./100g.	DO NOT USE NIS
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
Weedone LV4 EC / No Sol	C - B*		2, 4-D Ethylhexyl ester	PP, Pre E, Post		X	.5 - 3 pts	For Broadleaf Burndown or Post use in Corn	4# gal ai Corn Burndown and Post Applied, Soybean PrePlant >7 day only
Weedone LV6 EC	C - B*		2, 4-D Ethylhexyl ester	PP, Pre E, Post		X	.33 - 1.75 pts	For Broadleaf Burndown or Post use in Corn	6# gal ai Corn Burndown and Post Applied, Soybean PrePlant >7 day only
Zemax	C		S-Metolachlor, Mesotrione	Pre E, E Post	X	X	2-2.4 qts	E Post applied use NIS @ 1qt/100 or COC @ 1gal/100	
Zidua	CB		Pyroxasulfone	EPP, PreE, PPI, E Post, F	X	X	1 to 4 ozs	May require adjuvants for Burndown of emerged weeds.	Do not use adjuvants when applying to corn. Rate based on soil type.

Granular Soil Insecticide Products for CORN

Products	RU	Chemical/Common Name	Rate/Acre	Comments & Spray Additives	Additional Comments
Aztec 2.1G (1/50)	X	Cyfluthrin, Tebupirimphos	6.7 ozs/1000 ft	5.5 in 40"/5.8 in 38"/6.1 in 36"/7.3 in 30"	
Aztec 4.67 G Smart Box	X	Cyfluthrin, Tebupirimphos	lbs/acre	2.45 in 40"/2.58 in 38"/2.72 in 36"/3.27 in 30"	Band, T-Band, in-Furrow/Smartbox
Counter 15G L&L and Smart Box	X	Terbufos	6-8 ozs / 1000 ft	Do not exceed 8.7 lbs./A	
Force CS	X	Tefluthrin	6-10 ozs / Acre	8-10 oz in 15 & 30" / 6 - 7.5 oz in 15"	T -Band, or in-Furrow Direct Injection System
Force 3G (1/50) & Smart Box	X	Tefluthrin	lbs/acre	3.25 in 40"/3.5 in 38"/3.7 in 36"/4.4 in 30"	7 inch band behind planter shoe, in front of/or behind the press wheel. Must be Inc.
Lorsban 15G (1/50) & Smart Box		Chlopyrifos	lbs/acre	6.5 in 40"/6.9 in 38"/7.3 in 36"/8.7 in 30"	Rootworm, Cutworm, Seedcorn Beetle, Seedcorn Maggot and garden symphylian Control
Smartchoice 5G L&L and Smart Box	X	Chloethoxyfos, Bifenthrin	4.5-5.0 ozs / 1000 ft	In-furrow only	