



**Control
Solutions Inc.**

PRODUCTION ANIMAL

PRODUCT GUIDE

BEEF CATTLE EDITION



CATTLE POUR-ONS



CYONARA PLUS

POUR-ON TOPICAL INSECTICIDE

Active Ingredients: Lambda Cyhalothrin 1%, Piperonyl Butoxide 5%

For the control of Lice and Horn Flies on beef cattle, cows and calves. May be used with automatic dosing system. Ready-to-Use Synergized Formula.

Product Code	UOM	Case	Each UPC
82031968	Gallon	4	072693319684

Comparative Product: Ultra Saber® Merck Animal Health



CY-REN

POUR-ON

Active Ingredient: Cyfluthrin 1.0%

A pyrethroid insecticide designed to control horn flies, face flies, and both biting and sucking lice on beef and dairy cattle (including lactating).

Product Code	UOM	Case	Each UPC
82250018	6 Pint	4	810084590768

Comparative Product: CyLence® Pour-On Insecticide - Elanco



FLY-BAN

SYNERGIZED POUR-ON

Active Ingredient: Permethrin 7.4%, Piperonyl Butoxide 7.4%

Controls lice and flies on beef cattle, lactating and non-lactating dairy cattle and calves when applied as a pour-on, mist spray or back rubber. Controls keds on sheep and lambs when applied as a pour-on. Controls flies on horses when applied as a wipe-on, pour-on or ready-to-use spray.

Product Code	UOM	Case	Each UPC
82004515	Gallon	4	072693045170
82004516	2.5 Gallon	2	072693045163
82004519	55 Gallon	1	072693045002

Comparative Product: Permethrin CDS-KMG; Ultra Boss® - Merck Animal Health



LICE-BAN

READY-TO-USE SUSPENSION FOR CONTROL OF FLIES & LICE ON LACTATING AND NON-LACTATING DAIRY CATTLE, BEEF CATTLE, CALVES & HORSES

Active Ingredients: Diflubenzuron 3.0%, Permethrin 5.0%

Provides control of chewing (or biting) and sucking lice. One application controls lice. Has a zero day pre-slaughter interval and milk discard time. May be used as a component of an integrated pest management program, either alone or in combination with other insecticides as an aid to prevent the development of insecticide resistance.

Product Code	UOM	Case	Each UPC
82300327	2.5 Gallon	2	072693032705

Comparative Product: Clean Up II - Bayer



PERMETHRIN 1% SYNERGIZED

POUR-ON





Active Ingredient: Permethrin 1%, Piperonyl Butoxide 1%

Kills lice, horn flies, face flies on beef cattle, lactating and non-lactating dairy cattle; kills keds and lice on sheep. One gallon will treat 25 head of (1,000 lb) cattle.

Product Code	UOM	Case	Each UPC
82031766	Gallon	6	072693317666
82004553	2.5 Gallon	2	072693045538
82004555	55 Gallon	1	NA

Comparative Product: Atroban® 1% DeLice® - Merck Animal Health

Fly Identification

	PREMISE FLIES		PASTURE FLIES	
	HOUSE FLY	STABLE FLY	HORN FLY	FACE FLY
				
ADULT FLIES SEEN ON	Animals' faces and bodies, around feed & on structures	Lower parts of legs, cattle bunching	Backs and sides of cattle; tails swishing	Animals' face around eyes and muzzle
LARVAL DEVELOPMENT SITES	Manure and/or moist decaying organic materials	Manure mixed with moist decaying organic materials	Fresh manure pats in pastures	
ADULT FLY RESTING SITES	Manure, soil, fences, weeds, trees, buildings, hutches	Building walls, fences, weeds, other surfaces	Backs and sides of cattle (always on cattle)	Fence posts, trees, bushes, near pastures, faces of cattle
ADULT FLIES FEED ON	Manure, organic waste, spilled feed	Blood (cattle and human)	Blood (cattle)	Tears, nasal mucus and saliva
ECONOMIC IMPACT	Disease organism transmission	Lower weight gain & milk production	Lower weight gain	Transmit bacteria causing pink eye
	PREMISE FLY CONTROL PRODUCTS		PASTURE FLY CONTROL PRODUCTS	
	ON-ANIMAL Pour-Ons: Fly-Ban; Permethrin 1% Synergized, Lice-Ban Sprays: Vector-Ban Plus; Permethrin SFR, Stryker 5-25		ON-ANIMAL Pour-Ons: Fly-Ban; Cyonara Plus; Permethrin 1% Synergized; Lice-Ban Sprays: Vector-Ban Plus; Permethrin SFR, Stryker 5-25	
	ANIMAL PREMISES - INDOORS Larvicide (Treat Fly Breeding Sites): Tekko Fly G; Tekko 10 Residual Sprays: Cyzmic Synergized; Bifen I/T; Permethrin SFR, Permethrin CS Space Sprays: Vector-Ban Plus; Stryker 5-25			
	ANIMAL PREMISES - OUTDOORS Larvicide (Treat Fly Breeding Sites): Tekko Fly G; Tekko 10, Pivot 10 Residual Sprays: Bifen I/T; Cyzmic Synergized, Permethrin SFR, Permethrin CS Space Sprays: Vector-Ban Plus; Stryker 5-25			
	NON-CHEMICAL <ul style="list-style-type: none">SanitationScreening			
BIOLOGICAL	<ul style="list-style-type: none">Fly predators			

CATTLE POUR-ONS

Calculate Your Cost Savings



Fly-Ban



Permethrin 1%



Permethrin 1%
Synergized



Lice-Ban



Cyonara Plus

Permethrin Products

Permethrin + Diflubenzuron IGR






Lambda-Cyhalothrin

Product	Active	Size	Cost	# Head	Cost/Head	Product	Active	Size	Cost	# Head	Cost/Head
Fly-Ban	7.4% Permethrin, 7.4% Piperonyl Butoxide	1/2 Gallon		229		Ultra Boss®	5% Permethrin, 5% Piperonyl Butoxide				
		Gallon		458				Gallon		229	
		2.5 Gallon		1,146							
		55 Gallon		25,233							
Lice-Ban	5% Permethrin 3% Diflubenzuron	2.5 Gallon		578		Clean-Up® II	5% Permethrin 3% Diflubenzuron	1/2 Gallon		114	
								2.5 Gallon		578	
Permethrin 1% Synergized	1% Permethrin, 1% Piperonyl Butoxide	Gallon		46		CyLence®	1% Cyfluthrin	Pint		59	
		2.5 Gallon		116				3/4 Gallon		354	
		55 Gallon		2,560							
Cyonara Plus	1% Lambda Cyhalothrin, 5% Piperonyl Butoxide	Gallon		378		Ultra Saber®	1% Lambda Cyhalothrin, 5% Piperonyl Butoxide	Gallon		378	

Calculations are based on 550 lb. cattle
Calculations are based on fly control use only

Ultra Saber® and Ultra Boss® are registered trademarks of Merck Animal Health
CyLence® is a registered trademark of Bayer Animal Health

Pour-On Comparison Chart

		<div><div></div><div>Good</div><div></div><div></div><div>Superior</div></div>				
						
Product		Permethrin 1% Pour-On	Permethrin 1% Synergized Pour-On	Lice-Ban	Fly-Ban	Cyonara Plus
Active Ingredient		Permethrin 1%	Permethrin 1% Piperonyl Butoxide 1%	Permethrin 5% Diflubezuron 3%	Permethrin 7.4% Piperonyl Butoxide 7.4%	Lambda-Cyhalothrin 1% Piperonyl Butoxide 5%
Sizes						
1/2 Gallon					x	
Gallon		x	x		x	x
2.5 Gallon			x	x	x	
55 Gallon		x	x		x	
Applications						
Pour-On		x	x	x	x	x
Back Rubber			x		x	
Wipe-On				x	x	
Spray-On RTU			x	x	x	
Spray-On Conc.						
Dip						
Premise			x		x	
Dosing						
Dose Rate		1/2 oz/100 lbs	1/2 oz/100 lbs	3mL/100 lbs	1.5-2 mL/100 lbs	1.82 mL/100 lbs
1 Gallon Treats*		46	46	229	344-458	378
Species						
Dairy Cattle		x	x	x	x	
Beef Cattle		x	x	x	x	x
Calves		x	x	x	x	x
Horses				x	x	
Swine						
Poultry						
Sheep		x	x		x	
Dogs						
Pests**						
Flies		x	x	x	x	x
Fleas			x		x	
Ticks		x		x	x	
Mosquitoes		x	x		x	
Lice		x	x	x	x	x
Mites						
Cockroaches			x		x	
Spiders			x		x	
Keds		x	x		x	

Calculations are based on 550 lb. cattle

See Product Labels for pest species specific information

ANIMAL/FARM



BIFEN L/P INSECTICIDE GRANULES

Active Ingredient: Bifenthrin 0.2%

A sand based insecticide granule used for killing ants, fleas, ticks, chinch bugs, and many other pests. Labeled for residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields. Once it is in the soil, it works as a killing method and also as a prevention method.

Product Code	UOM	Case	Each UPC
82004238	25 Pounds	1	072693044388

Comparative Product: Talstar® PL - FMC



BIFEN I/T INSECTICIDE/TERMITEICIDE

Active Ingredient: Bifenthrin 7.9%

Professional strength insecticide/termiteicide. Used to control pests indoors/outdoors on residential, institutional, public, commercial/industrial buildings, livestock and poultry houses. Can be used on lawns, ornamentals, parks, recreational areas and athletic fields to control chinch bugs, crickets, fire ants, scorpions, aphids and other listed insects. Long-lasting residual for up to 5 years.

Product Code	UOM	Case	Each UPC
82004429	4 Ounce	6	072693044290
82004430	Pint	12	072693044302
82004431	Quart	12	072693044319
82004432	3/4 Gallon	4	072693044326
82004435	1 Gallon	4	072693044357

Comparative Product: Talstar® Pro - FMC



CYZMIC SYNERGIZED CONTROLLED RELEASE INSECTICIDE + SYNERGIST

Active Ingredient: Lambda-Cyhalothrin 9.7%, Piperonyl Butoxide (PBO) 19.4%

A microencapsulated, synergized pyrethroid that can be used to kill pyrethroid-resistant insect populations.

Product Code	UOM	Case	Each UPC
82250007	1 Gallon	4	810084590287

Comparative Product: Proprietary Product



PERMETHRIN 10%

MULTI-PURPOSE INSECTICIDE

Active Ingredient: Permethrin 10%

Water based formulation labeled for indoor and outdoor use. Can be use on large animals, swine, poultry and dogs. Provides excellent residual activity for up to 28 days.

Product Code	UOM	Case	Each UPC
82004500	8 Ounce	12	072693450004
82004501	Pint	12	072693450103
82004502	Quart	12	072693450202
82994503	Gallon	4	072693450301

Comparative Product: Insectrin X - Prozap®



PERMETHRIN 13.3%

MULTI-PURPOSE INSECTICIDE

Active Ingredient: Permethrin 13%

Petroleum based formulation labeled for use indoors and outdoors. Controls insect pests for up to 4 weeks. Home uses include: pantries, bedding, kitchens, and carpets. Can be used in handheld foggers or automatic misting systems. One quart makes up to 48 gallons for contact and residual sprays, and up to 266 gallons for large animal sprays.

Product Code	UOM	Case	Each UPC
82004491	8 Ounce	12	072693044913
82004493	Quart	12	072693044937

Comparative Product: 13.3% Permethrin Conc - Country Vet



PERMETHRIN CS

CONTROLLED RELEASE INSECTICIDE

Active Ingredient: Permethrin 23.6%

A flexible insecticide concentrate that can be used indoors and outdoors in both residential and commercial settings to kill over 50 different kinds of insects. Use on both porous and non-porous surfaces, during the cool seasons, in nurseries, in greenhouses, and in and around animal housing.

Product Code	UOM	Case	Each UPC
82002675	120 Fl Oz	4	072693026759

Comparative Product: Tengard® SFR - United Phosphorus



PERMETHRIN SFR

TERMITICIDE/INSECTICIDE

Active Ingredient: Permethrin 36.8%

A professional strength termiticide/insecticide labeled for both pre- and post-construction use. It is also labeled for use on lawns, landscapes, ornamentals, around homes and barns for a very broad-spectrum of insects. Permethrin SFR is even safe for use in poultry houses, and on listed animals for specific pests.

Product Code	UOM	Case	Each UPC
82004504	Pint	12	072693045064
82004505	Quart	6	072693045040
82004506	1.25 Gallon	4	072693045057

Comparative Product: Tengard® SFR - United Phosphorus



STRYKER WASP & HORNET KILLER PRESSURIZED SOLUTIONS

Active Ingredient: Prallethrin 0.1%

Formulated to knockdown wasps and hornets so quickly that they cannot release their stinging pheromones, therefore reducing the possibility of stings. Kills on contact up to 20 feet away providing application safety. Can be used outdoors and in attics and crawl spaces.

Product Code	UOM	Case	Each UPC
82002495	15 Ounce	12	072693249578

Comparative Product: PT Wasp Freeze II - BASF



STRYKER 5-25 INSECTICIDE CONCENTRATE

Active Ingredients: Pyrethrins 5%, Piperonyl Butoxide 25%

A water-based, multi-purpose insecticide that provides quick knockdown of flying and crawling pests. It also functions as rotational product with other insecticides in residential or barn misting systems. For use on livestock, poultry and swine.

Product Code	UOM	Case	Each UPC
82005009	64 Fl Oz	4	072693500969

Comparative Product: Sector Misting Concentrate - MGK



VECTOR-BAN PLUS MULTI-PURPOSE INSECTICIDE

Active Ingredient: Permethrin 10%, Piperonyl Butoxide 10%

A water-based insecticide that is designed for use in automatic misting systems, but can also be utilized in a variety of other application methods. Labeled for use in warehouses, homes, livestock housing facilities, milking parlors, poultry houses, residential yards and on listed animals.

Product Code	UOM	Case	Each UPC
82003254	1/2 Gallon	6	072693032545

Comparative Product: Sector® - MGK

How to Manage Production Animal Pests



PIVOT 10

INSECT GROWTH REGULATOR CONCENTRATE

Active Ingredient: Pyriproxyfen 10%

Breaks the life cycle of fleas, stored product pests, roaches, flies, mosquitoes, ticks and other listed insect pests. For use indoors/outdoors residential, poultry and animal housing.

Product Code	UOM	Case	Each UPC
82250011	Pint	6	810084590591

Comparative Product: NyGuard - MGK



TEKKO® 10

INSECT GROWTH REGULATOR CONCENTRATE

Active Ingredient: Novaluron 9.3%

Controls flies, house flies, stable flies, blow flies, face flies, horn flies, lesser house flies, soldier flies, darkling beetles (litter, hide and carrion beetles), sand flies, and dump flies.

Product Code	UOM	Case	Each UPC
82300308	Quart	6	072693000353
82300307	Gallon	4	072693000384

Comparative Product: Proprietary Product



TEKKO® FLY G

LARVACIDE

Active Ingredient: Novaluron 0.8%

Contains the insect growth regulator (IGR) Novaluron. Disrupts fly maggots' molting process, preventing them from becoming adult flies.

Product Code	UOM	Case	Each UPC
82210025	25 Pound Bag	NA	810084590140

Comparative Product: Exhalt WDG - Central Garden & Pet

Learn more about utilizing insect growth regulators to manage production animal pests.



—Danny McDonald, Ph.D.
Technical Services Manager



RANGE/PASTURE



ERASER

WEED AND GRASS KILLER CONCENTRATE

Active Ingredient: Glyphosate 41%

Concentrated for extra value. Low odor water-based formulation. Rainproof in hours. Kills unwanted vegetation – existing weeds only. Replant flowers in one day, new lawns in 7 days after treatment. One quart makes up to 21 gallons.

Product Code	UOM	Case	Each UPC
82004317	Pint	12	072693043176
82004318	Quart	6	072693043183
82004319	Gallon	4	072693043190

Comparative Product: Scott's Roundup® - Monsanto



ERASER A/P

HERBICIDE

Active Ingredient: Glyphosate 41%

Complete non-selective broad-spectrum post-emergence herbicide for crop and non-crop, industrial, turf and ornamental and farmsteads.

Product Code	UOM	Case	Each UPC
82004320	2.5 Gallon	2	072693043206

Comparative Product: Scott's Roundup® - Monsanto



ERASER MAXX

SUPER CONCENTRATE HERBICIDE

Active Ingredient: Glyphosate 43.68%, Imazapyr 0.78%

Ideal for fence rows, gravel paths, sidewalks, driveways, parking areas and around farm buildings and barns. One application kills weeds for up to one year. Effective against most weeds, grasses, vines, brush and trees. For use on non-crop areas as a spot treatment for brush, vines and weeds or on bare ground for total vegetation control. One gallon treats 17,297 square feet.

Product Code	UOM	Case	Each UPC
82250003	Quart	6	810084590409
82250002	Gallon	4	810084590362
82250004	2.5 Gallon	2	810084590386

Comparative Product: RM43 - Tangi Pac, LLC

ERASER **VS** ERASER MAXX

What Is The Difference?

Want to know the difference between Eraser and Eraser Maxx? Scan the QR code to find out!





2,4-D AMINE

A SELECTIVE WEED KILLER

Active Ingredient: Dimethylamine 47.2%

Water based formulation labeled for the control of many broadleaf weeds and brush control in crops, pastures, rangelands, forest management and in non-crop areas such as lawns and ornamental turf, drainage ditchbanks, fence rows and rights-of-way. Also for aquatic weed control, control of trees by injection, and tank mixes.

Product Code	UOM	Case	Each UPC
82210012	Quart	6	072693101203
82210011	Gallon	4	072693101104
82210010	2.5 Gallon	2	072693100107

Comparative Product: Amine 400 - PBI-Gordon; 2,4D Amine - Compare-N-Save; De-Amine 4 - Drexel



3-WAY LAWN WEED KILLER

HERBICIDE

Active Ingredient: 30.56% 2,4-D, 8.17% Mecoprop-P, 2.77% Dicamba

Selective Broadleaf Weed Control in Turfgrasses Including use on Golf Courses and Sod Farms to control Clover, Dandelion, Henbit, Plantains, Wild Onion, and many other broadleaf weeds. Also for highways, Rights-of-Way, and other similar non-crop areas as listed.

Product Code	UOM	Case	Each UPC
82210023	Quart	6	072693102309
82210022	Gallon	4	072693102200

Comparative Product: Trimec 992 & Agrisel 3-Way Max - PBI-Gordon



PRAMITOL 25E

HERBICIDE

Active Ingredient: Prometon 25%

A non-selective post-emergent bare ground herbicide that acts as a soil sterilant preventing plant growth for up to 1 year from application.

Product Code	UOM	Case	Each UPC
82000040	Quart	12	072693000407
82000025	Gallon	4	072693002586
82000030	2.5 Gallon	2	072693003002

Comparative Product: CSI Proprietary Product



STUMP KILLER

Active Ingredient: Picloram 5.4%, 20.9% 2,4-D

For use in controlling unwanted trees via cut surface treatments in forests and non-cropland areas (fencerows, roadsides, and rights-of-way and similar sites). Comes with an easy to use squirt applicator. The blue dye formulation lets you easily keep track of treated stumps.

Product Code	UOM	Case	Each UPC
82210013	Quart	6	072693101302

Comparative Product: Tordon RTU - Corteva®

RANGE/PASTURE



TRICLOPYR 4

Active Ingredient: Triclopyr 61.6%

For use in controlling unwanted trees via cut surface treatments in forests and non-cropland areas (fencerows, roadsides, and rights-of-way and similar sites).

Product Code	UOM	Case	Each UPC
82210018	Quart	6	072693101807
82210017	Gallon	4	072693042957

Comparative Product: Brustox - Ragan & Massey, Remedy & Garlon 4 Ultra - Corteva



TVC

TOTAL VEGETATION CONTROL

Active Ingredient: Imazapyr 27.8%

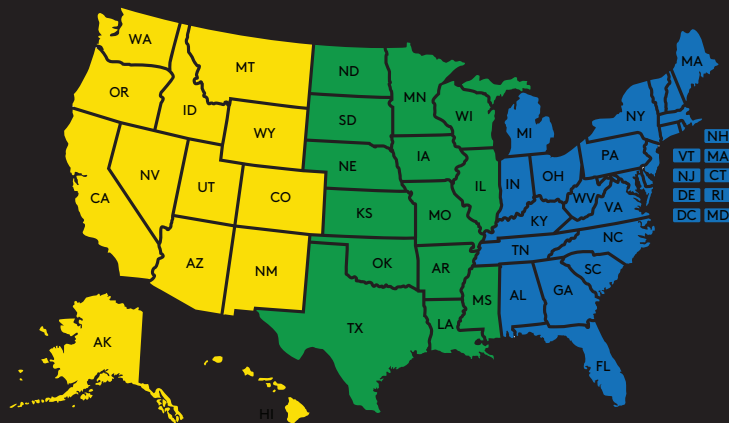
A pre or post-emergent herbicide that may be used in non-crop areas such as; railroad, ROW's, utility plant sites, tank farms, fence rows, for brush control, seed head suppression in pastures & rangelands & other listed sites. TVC is highly systemic offering superior translocation through leaves & stems, killing the root and may provide season-long control.

Product Code	UOM	Case	Each UPC
82004985	Quart	6	072693049857

Comparative Product: Arsenal® - BASF

Visit our website to download product labels, safety data sheets (SDS) and images.

controlsolutionsinc.com



● **Joey Ray**
Business Director
(936) 554-4142
joey.ray@controlsolutionsinc.com

● **Grey Fowler**
Key Acct Manager - Central Territories
(918) 208-3407
grey.fowler@controlsolutionsinc.com

● **Shane Patterson**
Key Acct Manager - Eastern Territories
(601) 575-8843
shane.patterson@controlsolutionsinc.com

● **OPEN POSITION**
Key Acct Manager - Western Territories