



Control
Solutions Inc.
PRODUCTION ANIMAL

PRODUCT GUIDE

DAIRY CATTLE EDITION



CATTLE POUR-ONS



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	1/2 Gallon	6	072693045156
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

Protect your Beef and Dairy with these synergized pour-on insecticides.



Protect your livestock from annoying insects with **Permethrin 1% Synergized Pour-On Insecticide**. The pyrethrin spray-alternative kills lice, horn flies and face flies on beef cattle, lactating and non-lactating dairy cattle and it kills keds and lice on sheep. One gallon of this pour-on insecticide will treat 25 head of 1,000 lb. cattle.



Fly-Ban Synergized Pour-On controls lice and flies on beef cattle, lactating and non-lactating dairy cattle and calves when applied as a pour-on, mist or back rubber. This multi-use permethrin insecticide can also be used as a premise spray to help control insect pests around barns and other animal housing. Also enhanced with piperonyl butoxide (PBO), Fly-Ban can be an effective part of your pesticide rotation program.



Pour-On Comparison Chart

Calculations are based on 550 lb. cattle
See Product Labels for pest species specific information

Calculate Your Cost Savings



Fly-Ban



Permethrin 1%



Permethrin 1%
Synergized



Lice-Ban

Permethrin Products

Permethrin + Diflubenzuron IGR





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							

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

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

CATTLE POUR-ONS

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	Pour-Ons: Fly-Ban; 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			<ul style="list-style-type: none">Fly trapsVegetation Management
BIOLOGICAL	<ul style="list-style-type: none">Fly predators				



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/TERMITICIDE

Active Ingredient: Bifenthrin 7.9%

Professional strength insecticide/termicide. 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



PYSTOL AEROSOL

FARM AND DAIRY AEROSOL

Active Ingredient: Pyrethrins 0.25%, Permethrin 0.25%, Piperonyl Butoxide 2.00%

Pystol is formulated with two active ingredients and a synergist to provide a quick knockdown of flying insects and residual activity that lasts for hours.

Product Code	UOM	Case	Each UPC
82300317	20 Ounce	6	072693031746

Comparative Product: Clear Zone® Double Impact Farm Fly Spray - BASF

ANIMAL/FARM



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, including treating mattresses for bed bugs. 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



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

ERASER ^{VS} ERASER MAXX



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

What Is The Difference?

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



Scan Here

RANGE/PASTURE



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

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®



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



Weed Identification Chart
**DOWNLOAD YOUR
FREE CHART TODAY!**



WEED IDENTIFICATION



Cattails



Chickweed



Clover



A
2,4-D Amine



Cut Stumps



Dandelions



Goosegrass



C
3-Way Lawn
Weed Killer



Ground Ivy



Hickory



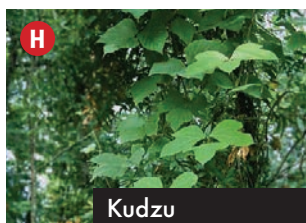
Honeysuckle



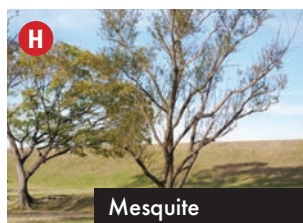
F
Pramitol 25E



Johnsongrass



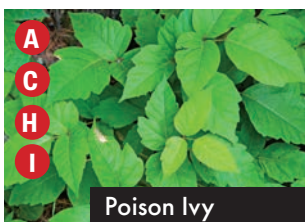
Kudzu



Mesquite



G
Stump Killer



Poison Ivy



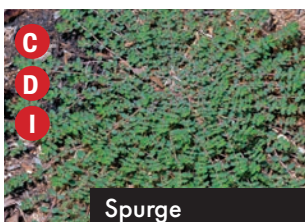
Puncture Vine



Ragweed



H
Triclopyr 4



Spurge



Thistle



Virginia Creeper



I
TVC



Wild Oak



Wild Onion



Wild Rose

WEED IDENTIFICATION

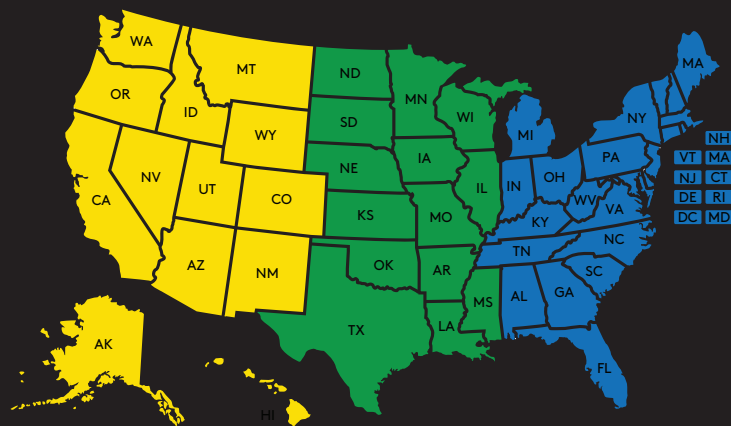
	2,4-D Amine	3-Way LWK	Eraser	Eraser Maxx	Pramitol 25E	Stump Killer	Triclopyr 4	TVC
Weeds								
Cattails	x		x	x				x
Chickweed	x	x	x					x
Clover		x	x	x			x	x
Cocklebur	x		x					x
Crabgrass			x					x
Cut Stumps			x			x	x	x
Dandelion	x	x	x	x				x
Elm	x			x		x		x
Goosegrass			x		x			x
Ground Ivy (creeping Charlie)	x	x	x					
Henbit	x	x	x					x
Hickory	x			x		x	x	x
Honeysuckle	x		x	x				x
Johnsongrass			x	x	x			x
Kudzu			x	x			x	
Lespedeza		x		x			x	x
Locust				x			x	x
Mesquite							x	
Nutsedge			x	x				
Oak	x		x	x		x	x	x
Plaintain	x	x	x		x			x
Poison Ivy	x	x	x	x			x	x
Poison Oak		x	x	x			x	x
Puncture Vine	x		x		x			x
Purslane								
Ragweed	x	x	x	x				x
Spurge		x	x	x				x
Sumac	x		x	x			x	x
Sweet Gum	x		x	x		x	x	x
Thistle	x		x	x				x
Virgina Creeper	x		x	x			x	x
Wild Oak	x		x	x		x	x	x
Wild Onion	x	x						
Wild Rose	x		x				x	x
Wild Violet							x	

**Always refer to product label for complete list of uses and directions.

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

controlsolutionsinc.com

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