Pest Management Regulatory Agency
Agence de réglementation de la lutte antiparasitaire

Re-evaluation Decision Document RRD2004-09

Mecoprop

The purpose of this document is to notify all stakeholders, including the Canadian public, registrants and pesticide regulatory officials, that the re-evaluation of the herbicide mecoprop [2-(4-chloro-2-methylphenoxy) propionic acid] is complete. As a result of this re-evaluation, the technical registrants have decided to discontinue sales of technical racemic mecoprop.

The Pest Management Regulatory Agency (PMRA) is re-evaluating all older pesticide active ingredients and their associated end-use products using modern scientific approaches to determine their continuing acceptability in relation to human health and the environment.

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Foreword

In September 2000, the PMRA announced that lawn and turf uses for mecoprop herbicide were being re-evaluated (Re-evaluation Note REV2000-04, *Re-evaluation of Lawn and Turf Uses of Pesticides*). As a result of this re-evaluation, the technical registrants have decided to discontinue sales of technical racemic mecoprop. As a result, all uses of racemic mecoprop and associated salts and esters are to be phased out. While the re-evaluation initially focussed on the lawn and turf uses, the re-evaluation decision presented in this document affects all uses of racemic mecoprop.

1.0 Background

Technical mecoprop, a racemic mixture of 2-(4-chloro-2-methylphenoxy) propionic acid, is registered for weed control on food (e.g., wheat, rye, oats, barley, corn) and feed crops, residential lawns and turf (e.g., golf courses, parks). In September 2000, the PMRA announced that lawn and turf uses for mecoprop herbicide were being re-evaluated (Re-evaluation Note REV2000-04).

2.0 Regulatory decision

During the course of the re-evaluation, the PMRA identified significant data gaps for racemic mecoprop that would have to be addressed in order to bring the supporting database up to modern standards. Rather than generate the required data to support continuing registration, the registrants of technical racemic mecoprop have decided to discontinue sales of the technical active ingredient. While the initial focus of the re-evaluation of mecoprop had been with the lawn and turf uses (Re-evaluation Note REV2000-04), the decision to discontinue registration of the technical active ingredient applies to all uses of mecoprop and associated salts and esters.

The result is that all pest control products containing mecoprop and associated salts and esters are to be phased-out as follows:

- Last date of sale by registrants of manufacturing-use products (technical or manufacturing concentrates) – 31 December 2004.
- Last date of sale by registrants of end-use products – 31 December 2005.

In order to achieve an orderly phase-out of products containing racemic mecoprop, the registrants of the technical active ingredient have agreed to limit sales of the technical active ingredient in 2004 to a maximum of their annual average over the past five years. Beyond 2005, sales of existing end-use products in the possession of those other than the registrant as well as use of end-use product by users is permitted until 31 December 2009 when the registrations will be cancelled.

A list of products registered under the *Pest Control Products Act* that are affected by this decision are presented in Appendix I.

Registrants have expressed the intention to replace the racemic form of mecoprop with a specific isomer of mecoprop known as mecoprop-p. Technical mecoprop-p has recently been reviewed and granted registration by the PMRA. In order to facilitate the transition from racemic mecoprop to mecoprop-p, the PMRA is now prepared to accept applications from registrants to register new products containing mecoprop-p for uses currently registered for racemic mecoprop.

Appendix I Registered products containing mecoprop (racemic) that are to be phased out

Product name	Reg. no.	Registrant	Marketing type [1]
NUFARM COMPITOX LIQUID HERBICIDE	7363	NUFARM UK LTD.	C
NUFARM COMPITOX PLUS LIQUID SELECTIVE WEEDKILLER	8595	NUFARM AGRICULTURE	C
TARGET DS LIQUID HERBICIDE	8885	SYNGENTA CROP PROTECTION CANADA INC.	C
MECOPROP AMINE 200 LIQUID SELECTIVE WEEDKILLER	8975	ZENECA AGRO	C
GREEN CROSS MECOPROP LIQUID HERBICIDE	9191	SOLARIS GROUP A UNIT OF MONSANTO CANADA INC.	C
KILLEX LAWN WEED CONTROL	9350	SCOTTS CANADA LTD.	D
DYVEL DS LIQUID HERBICIDE	9606	BASF CANADA INC.	C
KILLEX LIQUID TURF HERBICIDE	9811	SCOTTS CANADA LTD.	C
MECOPROP HERBICIDE	10915	UNITED AGRI PRODUCTS	C
MECOPROP PLUS 2,4-D HERBICIDE	10916	UNITED AGRI PRODUCTS	C
LATER'S WEED-STOP LAWN WEEDKILLER	11495	LATER CHEMICALS LTD.	D
TARGET LIQUID SYSTEMIC HERBICIDE	13761	SYNGENTA CROP PROTECTION CANADA INC.	C
MECOTURF PLUS 2,4-D LIQUID HERBICIDE	14733	NUFARM AGRICULTURE	C
MECOTURF LIQUID HERBICIDE	14763	NUFARM UK LTD.	C
GREENLEAF LAWN WEED KILLER	15405	GREENLEAF PRODUCTS INC.	D
LATER'S WEED-STOP TRI-MIX LAWN WEEDKILLER	15668	LATER CHEMICALS LTD.	D
LATER'S CHICKWEED CLOVER & THISTLE KILLER	16023	LATER CHEMICALS LTD.	D
GREEN CROSS KILLEX 500 TURF HERBICIDE LIQUID CONCENTRATE	16971	SCOTTS CANADA LTD.	C
GREEN CROSS MECO-D LIQUID WEEDKILLER	17737	SOLARIS GROUP A UNIT OF MONSANTO CANADA INC.	C
WILSON RTU SPOTWEED LAWN WEED KILLER	18014	NU-GRO IP INC.	D
LATER'S WEED-STOP SPOT WEED KILLER	18087	LATER CHEMICALS LTD.	D
KILLEX READY-TO-USE HERBICIDE	18295	SCOTTS CANADA LTD.	D
WEED-AWAY PREMIUM 3-WAY TURF HERBICIDE LIQUID	18865	INTERPROVINCIAL COOPERATIVE LIMITED	C
CO-OP PREMIUM 3-WAY SPOT WEED KILLER LIQUID	18947	INTERPROVINCIAL COOPERATIVE LIMITED	D
CO-OP PREMIUM LAWN WEED KILLER LIQUID	18951	INTERPROVINCIAL COOPERATIVE LIMITED	D
TRILLION LIQUID TURF HERBICIDE	18963	PLANT PRODUCTS CO. LTD.	C
MARKS MECOPROP TECHNICAL ACID (MCPP)	19130	MARKS (A.H.) & CO. LTD.	T

Product name	Reg. no.	Registrant	Marketing type [1]
TECHNICAL MECOPROP	19140	NUFARM UK LTD.	T
HERBATOX MCPP MECOPROP TECHNICAL ACID	19196	MARKS (A.H.) & CO. LTD.	T
CLEAN CROP MECOPROP + 2,4-D MANUFACTURING CONCENTRATE	19288	UNITED AGRI PRODUCTS	M
WILSON TURF-RITE 2+2 DOUBLE STRENGTH HERBICIDE	19391	NU-GRO IP INC.	C
WILSON TRI-KIL TURF HERBICIDE	19400	NU-GRO IP INC.	C
PAR III COMMERCIAL LIQUID TURF HERBICIDE	19810	UNITED AGRI PRODUCTS	C
GREEN CROSS KILLEX 2X MANUFACTURING CONCENTRATE	19976	SCOTTS CANADA LTD.	M
GREEN CROSS KILLEX 2X ODOURLESS CONCENTRATE	19984	SCOTTS CANADA LTD.	M
WILSON LAWN WEEDOUT READY TO USE HERBICIDE	20223	NU-GRO IP INC.	D
IPCO PREMIUM 2-WAY TURF HERBICIDE LIQUID	20326	INTERPROVINCIAL COOPERATIVE LIMITED	C
IPCO 2,4-D/MECOPROP FORMULA 3 (MANUFACTURING GRADE HERBICIDE)	20653	INTERPROVINCIAL COOPERATIVE LIMITED	M
TECHNICAL CMPP (MECOPROP) ACID	20781	BASF CANADA INC.	T
MECOPROP 620 DEA MANUFACTURING CONCENTRATE	20831	NUFARM UK LTD.	M
MECOPROP 680 DMA MANUFACTURING CONCENTRATE	20832	NUFARM UK LTD.	M
MECOPROP AMINE CONCENTRATE	20841	NUFARM UK LTD.	M
KILLEX SUMMER FORMULA LIQUID TURF HERBICIDE	20981	SCOTTS CANADA LTD.	C
IPCO 2,4-D/MECOPROP FORMULA 1 (MANUFACTURING GRADE HERBICIDE)	21126	INTERPROVINCIAL COOPERATIVE LIMITED	M
IPCO 2,4-D/MECOPROP FORMULA 2 (MANUFACTURING GRADE HERBICIDE)	21127	INTERPROVINCIAL COOPERATIVE LIMITED	M
WILSON MULTI-WEEDER LAWN WEEDKILLER HOSE-SPRAY	21377	WILSON LABORATORIES INC.	D
2,4-D/MECOPROP MANUFACTURING CONCENTRATE	21570	NUFARM AGRICULTURE	M
CMPP/2,4-D AMINE MANUFACTURING CONCENTRATE	21582	BASF CANADA INC.	M
HOME GARDENER CONCENTRATED WEED EX	21798	HOME HARDWARE STORES LTD.	D
EXPEDITE BROADLEAF HERBICIDE	21980	NOMIX-CHIPMAN LTD.	C
MIRAGE HERBICIDE AGRICULTURAL	22130	NOVARTIS CROP PROTECTION CANADA INC.	C
CMPP/2,4-D LIQUID HERBICIDE	22196	BASF CANADA INC.	C
CLEAN CROP MECO-D MANUFACTURING CONCENTRATE – HERBICIDE	22198	UNITED AGRI PRODUCTS	M

Product name	Reg. no.	Registrant	Marketing type [1]
WILSON MECROPOP AMINE 400 LIQUID WEED KILLER	22216	NU-GRO IP INC.	C
GUARDIAN DANDELIONS PLUS WEED KILLER	22323	WHITE ROSE NURSERIES LTD.	D
RIVERDALE WEEDESTROY TRIAMINE MANUFACTURING CONCENTRATE	22377	RIVERDALE CHEMICAL CO.	M
CLEAN CROP MECO + D 400 DEA MANUFACTURING CONCENTRATE HERBICIDE	22704	UNITED AGRI PRODUCTS	M
RIVERDALE TRIAMINE II MANUFACTURING CONCENTRATE	22711	RIVERDALE CHEMICAL CO.	M
KILLEX READY-TO-USE LIQUID SPOT WEEDER	22890	SOLARIS GROUP A UNIT OF MONSANTO CANADA INC.	D
2,4-D/MECROPROP 2:1 DEA MANUFACTURING CONCENTRATE	23227	NUFARM AGRICULTURE	M
2,4-D MECOPROP 1:1 DEA MANUFACTURING CONCENTRATE	23228	NUFARM AGRICULTURE	M
2,4-D/MECOPROP DMA MANUFACTURING CONCENTRATE	23343	NUFARM AGRICULTURE	M
CLEAN CROP MECOPROP MANUFACTURING CONCENTRATE	23608	UNITED AGRI PRODUCTS	M
GREEN CROSS KILLEX 3X MANUFACTURING CONCENTRATE	23871	SCOTTS CANADA LTD.	M
KILLEX WEED CONTROL IN LAWNS	23948	SCOTTS CANADA LTD.	D
RONA THREE WAY WEED CONTROL	24004	RONA INC.	D
BOTANIX THREE WAY WEED CONTROL	24005	INDUSTRIES NOBEL ENR.	D
GREENLEAF WEED-AWAY WEEDKILLER (READY-TO-USE)	24070	GREENLEAF PRODUCTS INC.	D
KILLEX WSP HERBICIDE	24083	PBI/GORDON CORP	C
WILSON LAWN WEEDOUT ATTACH & SPRAY CONCENTRATE	24263	NU-GRO IP INC.	D
C-I-L TRI-KIL PREMIUM LAWN MULTI-WEEDER ATTACH & SPRAY	24263	WILSON LABORATORIES INC.	D
CIL LAWN WEEDOUT ATTACH & SPRAY CONCENTRATE	24263	NU-GRO IP INC.	D
KILLEX READY-TO-USE HERBICIDE FOR LAWNS	24265	SCOTTS CANADA LTD.	D
GUARDIAN DANDELION PLUS WEED KILLER	24302	WHITE ROSE NURSERIES LTD.	D
TRIMEC DMB #2 HERBICIDE POWDER	24321	PBI/GORDON CORP	M
HOME GARDENER READY-TO-USE WEED EX	24383	HOME HARDWARE STORES LTD.	D
WILSON LAWN WEEDOUT (2)	24531	NU-GRO IP INC.	D
C-I-L TRI-KILL PREMIUM LAWN SPOT WEEDER II	24531	WILSON LABORATORIES INC.	D
CIL LAWN WEEDOUT	24531	NU-GRO IP INC.	D
C-I-L LAWN WEEDOUT READY TO USE HERBICIDE	24757	NU-GRO IP INC.	D

Product name	Reg. no.	Registrant	Marketing type [1]
WEED-B-GON KILLEX LOCK-N-SPRAY	25114	SOLARIS GROUP A UNIT OF MONSANTO CANADA INC.	D
LATER'S WEED-STOP TRI-MIX SPOT WEEDKILLER	25241	LATER CHEMICALS LTD.	D
MECOPROP DIMETHYLAMINE SALT 680 FORMULATION	25255	MARKS (A.H.) & CO. LTD.	M
PRESIDENT'S CHOICE PREMIUM SPOTWEED KILLER	25412	SUNFRESH LTD.	D
SPRAY & GREEN SPOT WEEDER	25458	LES ENGRAIS SPRAY & GREEN	D
HYDRO AGRI CANADA L.P. HERBICIDE "522"	25524	HYDRO AGRI CANADA LP	M
SWORD HERBICIDE	25583	UNITED AGRI PRODUCTS	C
IPCO TRACKER LIQUID HERBICIDE	25605	INTERPROVINCIAL COOPERATIVE LIMITED	C
WILSON MECOPROP & 2,4-D MANUFACTURING CONCENTRATE HERBICIDE	25846	NU-GRO IP INC.	M
WEEDEX CONCENTRATED WEED CONTROL FOR YOUR LAWN	26600	WEED-MASTER WESTERN INC.	D
WEEDEX WEED CONTROL FOR YOUR LAWN	26605	WEED-MASTER WESTERN INC.	D
CONCENTRATED WEEDEX WEED CONTROL FOR LAWNS	26708	WEED-MASTER WESTERN INC.	D
READY TO USE WEEDEX WEED CONTROL FOR LAWN	26711	WEED-MASTER WESTERN INC.	D
HOME GARDENER WEEDEX WEED CONTROL FOR YOUR LAWN	26724	HOME HARDWARE STORES LTD.	D
WEEDEX READY TO SPRAY WEED CONTROL FOR YOUR LAWN	26906	WEED-MASTER WESTERN INC.	D
WEEDEX READY TO SPRAY HERBICIDE	27010	WEED-MASTER WESTERN INC.	D
KILLEX WITH PULL N' SPRAY APPLICATOR	27181	SCOTTS CANADA LTD.	D
KILLEX READY-TO-USE HERBICIDE (GREEN CROSS)	27471	SCOTTS CANADA LTD.	D

[1] T = technical; M = manufacturing use; C = commercial; D = domestic