

EPA Reg. Number:

228-290

1-30-08

Term of Issuance:

Name of Pesticide Product:

MCPA-6 AMINE

HERBICIDE

U.U. ENVIRONMENTAL PROTECTION AGENCE

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration
X Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Ms. Jeannie Smith Nufarm Americas, Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you agree in writing to:

1. To revise the label as follows:

A. Under "PRECAUTIONARY STATEMENTS" and "DANGER – PELIGRO", replace the entire paragraph starting with the sentence "Harmful if swallowed or, etc." with "CORROSIVE". CAUSESES IRREVERSIBLE EYE DAMAGE. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing.

Signature of Approving Official:

Date

1-30000

Erik Kraft, Acting Product Manager (23)

Herbicide Branch, Registration Division (7505P)

- B. Under "PRECAUTIONARY STATEMENTS, and DANGER PELIGRO" remove the "NON WPS USES:" and "WPS USES:" sections, and replace them with "Mixers, loaders, applicators, flaggers and other handlers must wear:
- Long-sleeved shirt and long pants
- Protective eyewear (goggles or face shield)
- Chemical-resistant gloves (such as or made of any water-proof material)
- Shoes plus socks

After the last bullet, add "Additional PPE requirements for mixers and loaders supporting aerial application to rangelands, pasture lands, or non-crop lands. These mixers/loaders also must wear:

- A chemical resistant apron, and
- A NIOSH approved respirator with a dust/mist filter with a NIOSH approval number prefix TC-23C or any N, R, P, or HE filter.

It is recommended that you require respirator wearers be fit tested, and trained in the proper use, maintenance, and limitations of the respirator.

See ENGINEERING CONTROLS for additional requirements."

- C. Under "ENGINEERING CONTROLS" add "Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR170.240(d)(6)."
- D. Under "USER SAFETY RECOMMENDATIONS", revise "Remove clothing immediately, etc." bullet to "Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing."
- E. In the "FIRST AID" box, above the paragraph title "HOT LINE NUMBER", add "NOTE TO PHYSICAN: Probable mucosal damage may contraindicate the use of gastric lavage."

Registrant – The proposed label should contain a Note to Physician which addresses the primary eye irritation Toxicity Category I. The following statements are some suggested types of information that could be included, if applicable, in the Note to Physicians:

- technical information on symptomatology
- use of supportive treatments to maintain life functions
- medicine that will counteract the specific physiological effects of the pesticide
- company telephone number to specific medical personnel who can provide specialized medical advice.
- F. Under the "ENVIRONMENTAL HAZARDS" statement, the first sentence "This pesticide may be toxic, etc." is not required, and can be deleted.
- G. In the "NON-AGRICULTURAL USE REQUIREMENTS" box change the last two sentences to "Do not enter or allow people (other than applicator) or pets on treatment area during application. Do not enter or allow others to enter the treated area until sprays have dried."

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H. Under crop directions for barley, oats, rye, and wheat, remove the term "SMALL GRAINS" and the parentheses around "BARLEY, OATS, RYE, AND WHEAT". Also remove term "LEGUMES" and the parenteses around "ALFALFA, LESPEDEZA, RED AND WHITE CLOVER".

The term "SMALL GRAINS" does not necessary apply only to barley, oats, rye, and wheat, and the term "LEGUMES" does not necessary apply only to alfalfa, lespedeza, and red and white clover. To avoid confusion, use specific crops registered for inclusion on this label.

Revise "...to early boot stage." to "... and before reaching boot stage." to conform to your other MCPA product label directions.

Remove "Do not apply more than 1 pint per acre per year." to "Do not apply more than 2/3 pint per acre per year. Do not make more than 2 applications per year."

- I. Under "PASTURE LANDS" change the restriction, "Do not apply more than 2 pints per acre per application." to "Do not apply more than 2 pints per acre per year." Also add "Wait 7 days after treatment before harvesting grass for hay."
- J. Under "NON-CROP USES", change "Use 4 pints of product, etc." to "Use 1 pint of product, etc.", and the restriction "Do not use more than 2 pints (0.75 lb ae/A of product per acre per year."

Change "Do not apply more than 4 pints of product per acre per year." to " Do not apply more than 4 pints of product per acre per year as a spot treatment."

K. Under the "WARRANTY DISCLAIMER" and "LIMITATION OF LIABILITY", for consistency, change all "TO THE EXTENT PERMITTED BY LAW" phrases to "TO THE EXTENT CONSISTENT WITH APPLICABLE LAW".

Under "WARRANTY DISCLAIMER", delete the third sentence starting with "TO THE EXTENT PERMITTED BY LAW, MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS, etc." This is an overly broad statement which negates or detracts from the Directions For Use.

In the sentence starting with "UNINTENDED CONSEQUENCES, etc." add the phrase, ", BEYOND WHAT IS EXPRESSLY WARRANTED BY THIS LABEL, IS ASSUMED, etc." after the "AND" following "....BEYOND THE CONTROL OF MANUFACTURER OR SELLER".

Under "LIMITATION OF LIABILITY", add "TO THE EXTENT CONSISTENT WITH APPLICABLE LAW," before the last and second to the last sentence starting with "ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, etc." and "BUYER'S OR USER'S EXCLUSIVE REMEDY, etc".

2. Submit one (1) copy of final printed labeling incorporating the above changes before

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you release the product for shipment. Amended labeling will supersede all previously accepted ones. A stamped copy of labeling is enclosed for your records.

For any assistance with this matter, please contact Phil Errico at 703-305-6663, or email at Errico.Philip@epa.gov.

Regards,

Erik Kraft, Acting PM-23

Herbicide Branch/RD 7505P

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MCPA-6 AMINE

For Selective Post-emergent Control of Many Broadleaf Weeds in Wheat, Oats, Barley, Rye, Flax, Established Grasslands and Non-crop Areas.

ACTIVE INGREDIENT: Dimethylamine Salt of 2-Methyl-4-Chlorophenoxyacetic Acid*		
OTHER INGREDIENTS:	* * * * * * * * * * * * * * * * * * * *	25,0%
	TOTAL:	100.0%
		. ,
Isomer Specific AOAC Method, Equivalent to:	•	
*2-Methyl-4-Chlorophenoxyacetic Acid		.%, 5.96 lbs/gal

DANGER - PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

SEE SIDE PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-290 EPA EST. NO. 228-IL-1 MANUFACTURED BY NUFARM AMERICAS INC. BURR RIDGE, IL 60527



ACCEPTED
with COMMENTS
In EPA Letter Dated

NET CONTENTS:

1-30-08

Under the Federal Insecticide, Fundicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

000228-00290,20070209.pending MCPA RED

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS **DANGER - PELIGRO**

Corrosive, causes irreversible eye damage. Do not get in eyes, on skin, or clothing. Avoid inhalation of spray mists. Harmful if swallowed, inhaled or absorbed through skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

NON-WPS USES: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) -- in general, only agricultural plant uses are covered by the WPS -- must wear: eye protection and chemical-resistant gloves.

WPS USES: Personal Protective Equipment (PPE) - Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) -- in general, agricultural plant uses are covered -- must wear: long-sleeved shirt, long pants, chemical-resistant gloves when mixing, loading, or using any hand-held equipment, shoes plus socks, and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statements: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users Should:

- . Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- · Remove clothing immediately if pesticide gets inside.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

	FIRST AID
IF IN EYES	 Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF SWALLOWED	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
IF INHALED	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
	HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This pesticide may be toxic to fish, aquatic invertebrates and aquatic plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

DIRECTIONS FOR USE

It is A Violation Of Federal Law To Use This Product In A Manner Inconsistent With its Labeling. Read entire label before using this product. Use strictly in accordance with label precautionary statements and directions.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas until spray has dried.

GENERAL INFORMATION

MCPA is effective on a large number of broadleaf weeds and is useful for controlling these weeds in certain crops. Several crops, such as flax, oats, and small grains underseeded to legumes, are more tolerant of MCPA than they are of 2,4-D.

Crop varieties vary in response to MCPA, and some may be easily injured. Apply this product only to varieties known to be tolerant to MCPA. Injury to crops may occur from this pesticide. If you are not prepared to accept some degree of crop injury, do not use this product. If you are uncertain concerning tolerant varieties or local use situations that may affect crop tolerance to MCPA, contact your seed company or State Agricultural Extension Service for advice.

NOTE: Adding oil, wetting agent or other surfactant to the spray may reduce selectivity to crops, possibly resulting in crop injury.

Spray equipment used in applying this product should be thoroughly cleaned before using for any other purpose. Use repeated flushing with soap and warm water or suitable chemical cleaner. It is best to use a separate sprayer for application of insecticides and fungicides. This product will kill or seriously injure many desirable forms of vegetation. Do not apply directly to flowers, fruits, grapes, tomatoes, ornamentals, cotton or other desirable plants. Vapors from this product may injure susceptible plants in the immediate vicinity. A spray thickening agent, such as Nalco-Trol®, may be used with this product to aid in reducing spray drift. If used, follow all use recommendations and precautions on both product labels. Excessive amounts of this product in the soil may temporarily inhibit seed germination and plant growth.

Determine air movement and direction before foliar application. Use a smoke generator or other means at or near the application site for the detection of air movement, air stability, or temperature inversions. Such a condition exists when there is little or no wind and air temperature is lower near the ground than at higher levels.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Apply only when the wind speed is 2-10 mph at the application site.

Additional requirements for aerial applications:

The boom length must not exceed 75% of the wingspan or 90% or the rotor blade diameter.

Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy.

When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

Do not make applications into temperature inversions.

Additional requirements for ground boom application:

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

WEEDS CONTROLLED

This product will control or kill the following weeds in addition to many other noxious plants susceptible to MCPA:

More Susceptible Weeds (Most Areas):

Arrowhead

Marshelder

Ragweed

Wild Radish

Cocklebur

Mint (Dragonhead)

Redstem

Whitebrush

Goatsbeard

Mustard

Shepherdspurse

Yellow Rocket (or Winter Cress)

Kochia

Pepperweed (field)

Stinkweed

and many other species

Lambsquarters

Puncturevine

Water Plantain

Less Susceptible Weeds:

Buttercup

Hoary Cress Plantain

Sow Thistle Stinging Nettle White Top

Canada Thistle Dandelion

Piaweed Purslane Sunflower

Hempnettle

Vetch

To ensure uniform results, shake container prior to opening and agitate prepared spray mixes thoroughly and continuously. Mix the recommended amount of product with enough carrier (e.g. water) to obtain adequate spray coverage. For aerial application, use up to 10 gallons and for surface applications up to 30 gallons of carrier per acre to obtain sufficient coverage, unless otherwise stated.

FIELD CROPS

Flax: Use 1/6 to 1/3 pint of product per acre in enough water to obtain uniform and efficient coverage. Apply after weeds have emerged where flax is 4 to 8 inches tall, to first boot stage. DO NOT apply after bud formation. Do not apply more than 1/3 pint per acre per year. Canada thistle control may be incomplete.

SMALL GRAINS (BARLEY, OATS, RYE AND WHEAT) UNDERSEEDED WITH LEGUMES (ALFALFA, LESPEDEZA, RED AND WHITE CLOVER). Use 1/6 to 1/3 pint of product in 5 to 10 gallons of water under low pressure to control serious infestations of mustard, yellow rocket and other weeds. Apply spray mix after the tillering (4 to 8 inches tall) to early boot stage. Protective canopy of nursecrop and weeds together with the prescribed treatment will reduce injury to legumes. DO NOT apply to small grains underseeded with vetch or sweet clover; other legumes may be injured if protective vegetation canopy is too sparse. Do not apply more than 1 pint per acre per year.

PASTURE LANDS

Established Pastures: Use 2/3 to 2 pints of product per acre in enough water to provide adequate coverage. Use higher rate for control of less susceptible species, like Canada Thistle, White Top and other. Spray perennials in early bud to full bloom stage and during active regrowth in fall. Other weeds may be controlled during spring and fall. When clover and alfalfa are present, reduce rate to 1/3 pint of product per acre. NOTE: If control is not satisfactory, repeat application. Legumes including white clover may be temporarily injured or killed. In some areas, bent, buffalo, carpet and St. Augustine grasses may be susceptible to injury. Do not apply more than 2 pints per acre per application. Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days.

NON-CROP USES

Non-crop Areas (Fencerows, Fallowlands, Rights-of-way, Roadsides and Similar Areas): Use 4 pints of product per acre in enough water to give sufficient coverage. Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days.

For Spot Spraying in Non-Crop Areas, use 2-2/3 pints of product to 3 to 4 gallons of water. Wet target plants thoroughly during bud to full bloom period (spring) and active growth (fall). Do not plant crops until 3 months after treatment or until chemical has disappeared from the soil. Do not apply more than 4 pints of product per acre per year.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Store at temperature above 32°F. If allowed to freeze, warm to a least 40°F and remix before using. Freezing does not alter this product. Containers should be opened in well-ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not store near open containers of fertilizer, seed or other pesticides.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed labeled container for proper disposal. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities. Plastic containers also disposable by incineration, or if allowed by State and Local authorities by burning. If burned, stay out of smoke.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV020907)

NOT TO BE PART OF THE PRINTED LABEL FOR INTERNAL REGULATORY USE ONLY

05/22/03

Changed First Aid per PR 2001-1 via amendment.

11/08/06 02/09/07 Created an EPA file for MCPA RED changes, deleted Riverdale and added new warranty. Made more changes to the RED changes on 11/08/06 for submission.