

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Mr. Matthew Granahan Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527

DEC - 5 2012

Subject:

Label amendment in response to Agency letter dated July 13, 2012 requiring

revised plantback intervals for MCPA Product Name: Sodium Salt of MCPA

EPA Reg. No: 228-199 Decision Number: 469340

Dear Mr. Granahan:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable, as amended

One copy of labeling for these products, stamped "Accepted," is enclosed for your records. Products released for shipment after 18 months from the date on this notice or the next printing of the label, whichever occurs first, must bear the new revised label. Amended labeling will supersede all previously accepted ones.

Per 40 CFR 156.10(6), submit one copy of your final printed labeling before you release the product for shipment. If you have questions or concerns regarding this letter, please contact Beth Benbow at (703) 347-8072 or email at benbow.bethany@epa.gov.

Sincerely,

Kathryn V. Montague Product Manager 23

Herbicide Branch

Registration Division (7505P)

SODIUM SALT OF MCPA

TO CONTROL CERTAIN WEEDS IN BARLEY, OATS, RYE, WHEAT, PEAS, SEED FLAX, GRASSLAND AND PASTURES, LAWNS AND TURF, GRASSES GROWN FOR SEED AND LISTED NON-CROP AREAS

ACTIVE INGREDIENT:

Sodium Salt of 2-methyl-4-chlorophenoxyacetic Acid*

OTHER INGREDIENTS:

TOTAL

Somier Specific AOAC Method, Equivalent to:

'2-methyl-4-chlorophenoxyacetic acid equivalent

20.05%, 1.86 lbs/gal.

INTENDED ONLY FOR SALE TO, USE AND STORAGE BY AGRICULTURAL PERSONNEL OR COMMERCIAL APPLICATORS

KEEP OUT OF REACH OF CHILDREN 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. 228-199 EPA EST. NO. 228-IL-1 MANUFACTURED FOR
NUFARM AMERICAS INC.
150 HARVESTER DRIVE
BURR RIDGE, IL 60527



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NET CONTENTS _	GAL. (Liters)	
Designation as "N	ONREFILLABLE" or "	REFILLABLE" f	or containers > 5 GAL

000228-00199.20121130.EPA Amendment

ACCEPTED

DEC -5 2012

Under the Federal Insecticide, Fungicide, and Vederalide Act, as naturaled, for the positions registered under 22 3-(99)

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER - PELIGRO

Compsive, causes irreversible eye damage. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin.

PEF:SONAL 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.

Mixers, loaders, applicators, flaggers and other handlers must wear:

- · Long-sleeved shirt and long pants
- · Protective eyewear (goggles or face shield)
- · Shoes plus socks
- Chemical resistant gloves made of any waterproof material

Additional PPE requirements for mixers and loaders supporting aerial application to rangelands, pasture lands, or noncropland. 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 that the respirator wearer be fit tested, and trained in use, maintenance, and limitations of the respirator.

See engineering controls for additional requirements.

Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

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.

WPS: USES: Personal Protective Equipment: 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, waterproof gloves, shoes plus socks, and protective eyewear. Discard clothing and other absorbent materials that have beer 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 exist, 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.

ENGINEERING CONTROLS: Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)]. 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:

- •\Vash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.
	HOT LINE NUMBER ntainer or label with you when calling a poison control center or doctor, or going for treatment. You may also 840 for emergency medical treatment information.
contact 1-877-325-1	

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 worker 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 (WPS), 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 interval. The requirements in this box only apply to uses of this product that are covered by the WPS.

DC 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,
- · shoes plus socks,
- chemical-resistant gloves made of any waterproof material, 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 or allow people (other than applicator) or pets on treatment area during application. **DO NOT** enter or allow others to enter treated area until sprays have dried.

PRODUCT INFORMATION

Sodium Salt of MCPA is a very slow acting systemic herbicide. This property allows the chemical to translocate into the root system before the tops are killed. Other chemicals do not control this slowly. This results in effective control without sterilizing the soil.

SPRAY DRIFT

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 wher 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 Applications.

DO NOT apply with a nozzle height greater than 4 feet above the crop canopy.

PLANT BACK INTERVAL: Wheat, barley, oats, rye, flax and peas treated with MCPA may be replanted with any crop specified on an MCPA label or any crop for which a residue tolerance exists for MCPA. For crops not listed on an MCPA label, or on crops for which no residue tolerances for MCPA have been established, a 1-year plantback interval must be observed.

This product controls the following as well as many other noxious plants susceptible to MCPA.

SUSCEPTIBLE WEEDS

COCOLI TIDEL WEEDO	
Mint	Shepherds purse
Pepperweed (field)	Stinkweed
Puncturevine	Wild Radish
Purslane	Winter cress
Ragweed	Yellow rocket
	Mint Pepperweed (field) Puncturevine Purslane

LESS SUSCEPTIBLE WEEDS

Arrowhead	Pigweed	Sow thistle
Bul ush	Plantain	Stinging nettle
Burhead	Redstem	Sunflower
Buttercup ,	Russian pigweed	Vetch
Canada thistle	Russian thistle	Waterhyssop
Dandelion	Sedge	Waterplantain
Hernpnettle	Silverleaf nightshade	Whitetop (Hoary cress)

PREPARATION OF SPRAY: For aerial application, use 5 to 10 gallons of water per acre. For ground application, use a conventional low pressure, low volume sprayer that delivers 5 to 40 gallons of water per acre.

When diluting, the material must be mixed thoroughly before using. If the material is allowed to stand for any length of time after dilution, it should be stirred again before using.

SELIECTIVE SPRAYING: (Wheat, Oats, Barley and Rye) Apply as a water mix spray by ground sprayer or airplane. Use 1/2 to 1 pint per acre for the more susceptible weeds after crop has reached the 3 to 4 leaf stage up to the boot stage. Use up to 3 pints per acre for the less susceptible weeds after crop has tillered and up to early boot stage.

PEA3: Use 1/2 to 1-1/2 pints per acre when peas are 4 to 6 inches tall using 15 to 30 gallons of water per acre. **DO NOT** spray while peas are in blossom. Peas may show light injury but they usually recover a few days after treatment. Use the higher rate before buds form on Canada thistle to prevent from going to seed. **DO NOT** harvest for livestock feed or allow livestock to graze treated area for 7 days after treatment. **DO NOT** spray peas that are stressed from lack of moisture or when temperatures are over 90°F.

SEED FLAX: Where 2 to 3 ounces of MCPA acid equivalent per acre is recommended for susceptible weeds, use 1/2 to 1 pint of this product per acre in at least 15 to 20 gallons of water. Apply when all weeds are up and flax has at least 3 to 4 leaves, or is 3 to 4 inches tall, and before flax comes into bud. Treatment after early bud stage may result in severe damage. For moderately resistant weeds, spot spraying with a heavier rate may be necessary. DO NOT spray flax underseeded with legumes without first consulting local weed specialist.

RESTRICTIONS AND LIMITATIONS FOR USE ON FLAX: DO NOT apply more than 0.25 lb ae/acre per year (1 pint of this product per acre per year).

BARLEY, OATS, RYE, AND WHEAT: NOT underseeded with mixed legumes.

RESTRICTIONS AND LIMITATIONS FOR USE ON BARLEY, OATS, RYE, AND WHEAT: DO NOT apply more than 0.75 lb ae/a: re per year (3.2 pints of this product per acre per year).

Broadleaf Weeds: Use 1 to 3 pints per acre in the Spring when grain is fully tillered and 8 to 10 inches tall. DO NOT spray when grain is in the boot to dough stage.

Emergency Treatment of perennial Broadleaf Weeds in Wheat: Use 3.2 pints per acre when weeds are approaching bud stage, but IO NOT spray grain in the boot to dough stage. The 3.2 pints (0.75 pounds acid equivalent) per application of any MCPA product can produce injury to wheat. Balance the severity of your weed problem against the possibility of crop damage. Where perennial weeds are scattered, spot treatment is suggested to minimize the extent of crop injury. Treat in the Spring when grain is fully illered and 8 to 20 inches tall.

NOTE: For Barley, Oats, Rye, Wheat and Flax application, DO NOT forage or graze meat animals on treated areas within seven days of slaughter.

NON-CROP SPRAYING: (Canada thistle, Whitetop, Meadow buttercup, Field bindweed and Morningglory) For Spot treatment, use up to 1-1/2 gallons of this product per acre in sufficient water to give coverage and spray to wet weeds thoroughly when in bud to early bloom and again in Fall regrowth.

RESTRICTIONS FOR NON-CROP SPRAYING: For spot treatment DO NOT apply more than 1-1/2 gallons of product / acre/ year (3.0) ounds ae / acre / per year).

NOTE: For Non-food Uses, DO NOT forage or graze livestock on treated areas within seven days of treatment.

NOTE: Local conditions, crop varieties and application regulations vary and may affect use of this herbicide. Consult local Agricultural Experiment Station or Extension Service weed specialist and State regulatory agencies for recommendations in your area

EST.ABLISHED GRASSLANDS AND PASTURES: Use 2 to 6 pints per acre in sufficient water (10 to 100 gallons) to give thorough coverage. Use higher rate for Whitetop, Canada thistle and other less easy-to-control weeds; spray perennials in early-bud to full bloom stage and reapply to regrowth in Fall. Spray other weeds in Spring or Fall when they are actively growing.

RESTRICTIONS AND LIMITATIONS FOR USE ON ESTABLISHED GRASSLANDS AND PASTURES: DO NOT apply more than 1.5 lb ae/acre per application (6.4 pints of this product per acre per application). DO NOT apply more than 2 applications per year with a minimum retreatment interval of 21 days. Wait 7 days after treatment before harvesting grass for hay.

EST, ABLISHED LAWNS AND TURF: Use 1.18 fluid ounces in 3 to 5 gallons of water; apply uniformly over 1,000 square feet. On larger areas, use 2 to 3.2 pints per acre in 10 to 100 gallons of water. Apply Spring or Fall for best results. **DO NOT** mow within 2 days before or after application.

RESTRICTIONS AND LIMITATIONS FOR USE ON ESTABLISHED LAWNS AND TURF: DO NOT apply more than 1.5 lb ae/acre per year (1.18 fluid ounces product per 1,000 square feet or 3.2 pints per acre per application). DO NOT apply more than 2 applications per year with a minimum retreatment interval of 21 days.

GRASSES GROWN FOR SEED: Use 2 to 4 pints per acre in sufficient water to give adequate coverage. Use higher rate where week stands are heavy. In established grasses, apply in Spring before head comes into boot and on seedling grass after grass is tillered.

RESTRICTIONS AND LIMITATIONS FOR USE ON GRASSES GROWN FOR SEED: DO NOT apply more than 1.5 lb ae/acre per application (6.4 pints of this product per acre per application). DO NOT apply more than 2 applications per year with a minimum retreatment interval of 21 days.

NOTE: In weed control in grasses repeat treatment may be needed for less susceptible weeds. White clover and other legumes may be temporarily injured or controlled. In some areas, dichondra, bent, buffalo, carpet and St. Augustine grasses may also be injuried by the treatment.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PI:STICIDE STORAGE: Always store pesticides in a secured warehouse or storage building. Store at temperature above 32 °F. If allowed to freeze, warm to at least 40F 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.

PI:STICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. 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:

[Note to Reviewer: The following statement will be included on all Final Printed Labels bearing multiple Container Disposal (Container Handling) statements] "NOTE: This product is available in multiple containers. Refer to the Net Contents section of this products labeling for the applicable "Nonrefillable" or "Refillable" designation. Follow the container disposal [handling] instructions below that apply to your container type / size."

[Note to Reviewer: The bracketed section headers will be included when multiple container types / sizes are listed on the label.]

Nonrefillable Containers 5 Gallons or Less: Nonrefillable container. DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. 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 are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

Nonrefillable containers larger than 5 gallons: Nonrefillable container. DO NOT reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other er d and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable containers larger than 5 gallons: Refillable container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. To the extent consistent with applicable law, (1) the goods delivered to you are furnished "as is" by manufactureror seller and (2) 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 con sequences, 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. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAYOF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONIEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR IFAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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 the 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.

(RV113012)

LABEL HISTORY

File Name	Revision Mark	Comment	
Sod um Salt of MCPA (228-199) EPA 030608.pdf	RV030608	EPA Approval	
000.228-00199.20120816.EPA Amendment	RV081612	EPA Amendment	
000 228-00199.20121126.EPA Amendment	RV112612	EPA Reviewed Amendment	
000228-00199.20121130.EPA Amendment	RV113012	EPA Reviewed Amendment	
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