

55146-119

8/10/2012

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

55146-119

Date of Issuance:

AUG 10 2012

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

SATIVA® IMF MAX

Name and Address of Registrant (include ZIP Code):

Nufarm Americas, Inc.
4020 Aerial Center Parkway, Suite 101
Morrisville, NC 27560

ATTN: Mr. Nathan P. Ehresman

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 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 conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

- 1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

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Venus Eagle, Product Manager 01
Insecticide-Rodenticide Branch, Registration Division (7505P)

Date:

AUG 10 2012

2. Make the following label changes before you release the product for shipment:

- Revise the EPA Registration Number to read, "EPA Reg. No 55146-119."
- On page 7, under the Container Handling instructions for "Nonrefillable containers larger than 5 gallons" add the following disposal instructions (for cases where recycling is not available): "If recycling or reconditioning is not available, puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities."
- On page 7, under the Container Handling instructions for "Refillable containers larger than 5 gallons," add the following final disposal instructions: "For final disposal, offer for recycling if available. If recycling or reconditioning is not available, puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities."

3. Submit one copy of your final printed labeling before you release the product for shipment.

A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSF:

- Basic CSF, dated February 1, 2012
- Alternate CSF #1, dated February 1, 2012
- Alternate CSF #2, dated February 1, 2012

Your release for shipment of the product constitutes acceptance of the above conditions. If the conditions above are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). If you have any questions, please contact Julie Chao at 703-308-8735 or chao.julie@epa.gov.

Venus Eagle
Product Manager 01
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure

FRONT PANEL & BACK PANEL

SATIVA[®] IMF MAX

Seed Treatment

FOR EARLY SEASON PROTECTION OF SEEDLINGS AGAINST INSECT
INJURY AND SOILBORNE DISEASES FOR BARLEY AND WHEAT

ACTIVE INGREDIENT

Imidacloprid 1 [(6 Chloro 3 pyridinyl)methyl] N nitro 2 imidazolidinimine	11 16%
Metalaxyl N (2 6 dimethylphenyl) N (methoxyacetyl)alanine methyl ester	0 60%
Tebuconazole Alpha [2 4(chlorophenyl)ethyl] alpha (1 1 dimethyl ethyl) 1H 1 2 4 triazole 1 ethanol	0 45%
Fludioxonil 4 (2 2 Difluoro 1 3 benzodioxol-4 yl) 1H pyrrolle 3 carbonitrile	0 36%

OTHER INGREDIENTS

	87 43%
TOTAL	100 00%

Contains

- 1 00 pound Imidacloprid per gallon (120 0 grams per liter)
- 0 05 pound Metalaxyl per gallon (6 4 grams per liter)
- 0 04 pound Tebuconazole per gallon (4 8 grams per liter)
- 0 03 pound Fludioxonil per gallon (3 84 grams per liter)

KEEP OUT OF REACH OF CHILDREN CAUTION / PRECAUCIÓN

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 INSIDE BOOKLET 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

ACCEPTED
With COMMENTS
In EPA Letter Dated

AUG 10 2012

EPA REG NO 55146
EPA EST NO

Under the Federal Insecticide Fungicide
and Rodenticide Act As amended for the
pesticide Registered under EPA Reg No

55146 119

Manufactured For
NUFARM AMERICAS INC
AGT DIVISION
150 Harvester Drive
Burr Ridge IL 60527



Net Contents Gal (L)

[Designation as NONREFILLABLE or REFILLABLE for containers > 5 GAL]

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION / PRECAUCIÓN

Harmful if swallowed Wash thoroughly with soap and water after handling and before eating drinking chewing gum using tobacco or using the toilet

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 C on an EPA chemical resistance selection chart

Applicators and other handlers must wear

Long sleeved shirt and long pants

Shoes plus socks

Chemical resistant gloves (such as barrier laminate butyl rubber nitrile rubber neoprene rubber polyvinyl chloride (PVC) Viton)

Note Persons involved in bagging treated seed sewing or moving bags of treated seed or cleaning up bagging areas or seed treatment equipment are pesticide handlers and must wear the PPE required on this label for pesticide handlers

Follow manufacturer s instructions for cleaning/maintaining PPE If no such instructions for washables exist use detergent and hot water Keep and wash PPE separately from other laundry

USER SAFETY RECOMMENDATIONS

Users Should

- Wash 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 SWALLOWED	<p>Call a poison control center or doctor immediately for treatment advice Have person sip a glass of water if able to swallow</p> <ul style="list-style-type: none"> • DO NOT induce vomiting unless told to do so by the poison control center or doctor • DO NOT give anything to an unconscious person
IF IN EYES	<p>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</p> <ul style="list-style-type: none"> • Call a poison control center or doctor for treatment advice
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing <p>Rinse skin immediately with plenty of water for 15 to 20 minutes</p> <ul style="list-style-type: none"> • Call a poison control center or doctor for treatment advice
IF INHALED	<p>Move person to fresh air</p> <ul style="list-style-type: none"> • If person is not breathing call 911 or an ambulance then give artificial respiration preferably by mouth to mouth if possible <p>Call a poison control center or doctor for further treatment advice</p>

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

PHYSICAL AND CHEMICAL HAZARDS

DO NOT place product near or allow product to come into contact with strong oxidizing substances (such as potassium permanganate).

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to birds and aquatic invertebrates. This pesticide is toxic to fish. For terrestrial uses, do not apply directly to water, or 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 washwaters. Exposed treated seeds may be hazardous to birds. Cover or incorporate spilled treated seeds.

Imidacloprid is highly toxic to bees. Ensure that planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.

Groundwater Advisory: Metalaxyl is known to leach through soil into groundwater under certain conditions as a result of agricultural use. 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

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 24 hours**

Exception If the seed is treated with the product and the treated seed is soil injected or soil incorporated the Worker Protection Standard under certain circumstances allows workers to enter the treated area if there will be no contact with anything that has been treated

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 barrier laminate butyl rubber nitrile rubber neoprene rubber polyvinylchloride (PVC) or Viton

Shoes plus socks

ROTATIONAL CROPS

Treated areas may be replanted with any crop specified on an imidacloprid label or any crop for which a tolerance exists for the active ingredient as soon as practical following the last application The following plant back intervals must be observed for listed crops

ROTATIONAL PLANT BACK INTERVALS*				
IMMEDIATE PLANT BACK				30 DAY PLANT BACK
Artichoke	Crambe	Oats	Soybean	Cereals including buckwheat rice
Barley	Cucurbits	Okra	Strawberry	
Borage	Eggplant	Pepinos	Sugarbeet	
Brassica (cole)	Flax	Pepper	Sunflower	
leafy vegetables	Groundcherry	Popcorn	Tomatillo	
Bulb vegetables	Leafy petiole vegetables	Potato	Tomato	
Canola	Leafy vegetables	Rapeseed	Triticale	
Cilantro	Legume vegetables	Rye	Root and Tuber vegetables	
Corn Field	(succulent or dried	Safflower	Watercress	
Corn Sweet	including Soybean)	Sorghum	Wheat	
Cotton	Millet			
Cranberry	Mustard seed			

Cover crops for soil building or erosion control may be planted any time but do not graze or harvest for food or feed For all other crops not listed on an imidacloprid label or for crops for which no tolerance for the active ingredient has been established a 12 month plant back interval should be observed

NOTIFICATION of the crop rotational restriction must be conveyed to the grower by appropriate seed tag labeling or bag printing on all seed units

USE RESTRICTIONS

- **DO NOT** use as a planter (hopper) box treatment.
- **DO NOT** use treated seed for feed, food, or oil purposes.
- Store treated seed away from feeds and foodstuffs.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- The maximum application rate for imidacloprid (including seed treatments, foliar applications, soil applications) is 0.5 lbs per acre per year. **DO NOT** apply more than 0.5 lbs ai imidacloprid per acre per year.
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Exposed treated seed may be hazardous to birds. Cover or incorporate spilled treated seed. Excess or leftover seed may be double-sown around the headland or buried away from bodies of water in accordance with local requirements.

SEED TREATMENT

This product is a combination of Imidacloprid insecticide and a mixture of the fungicides Metalaxyl, Tebuconazole, and Fludioxonil. When used on listed crops, the fungicide mixture in this product provides more consistent control when disease pressure is high. This product aids in the control or suppression of the following insects, seed, seedling and soilborne diseases of Barley and Wheat.

CROP	INSECT / DISEASE CONTROL	RATE
Barley	<p>Insect Control: Early season protection of seedlings against injury by Aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid) and Wireworms.</p> <p>Disease Control: Seed decay caused by <i>Aspergillus</i>, <i>Penicillium</i>, and other species. Early season disease control of <i>Pythium</i> damping-off and Covered smut, Loose smut, Barley stripe (suppression), Early season <i>Rhizoctonia</i> root rot, Early season common root rot, Early season <i>Fusarium</i> foot rot, Early season suppression of powdery mildew and Early season suppression of barley leaf rust.</p>	<p>3.4 to 5.0 fluid ounces per 100 pounds of seed</p>
Wheat	<p>Insect Control: Early season protection of seedlings against injury by Aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid), Wireworms and Hessian fly.</p> <p>Disease Control: Seed decay caused by <i>Aspergillus</i>, <i>Penicillium</i>, and other species. Early season disease control of <i>Pythium</i> damping-off, Stinking smut, Flag smut, Loose smut, Early season <i>Septoria</i> disease complex, Early season <i>Rhizoctonia</i> root rot, Early season common root rot, Early season <i>Fusarium</i> foot rot, Early season suppression of powdery mildew and early season suppression of wheat leaf rust.</p>	

APPLICATION DIRECTIONS: Apply prior to planting as a slurry treatment. This product is to be used in liquid or slurry treaters only. Mix thoroughly before use or use entire container at one time. Ensure thorough coverage. All tank mixes should be pre-tested to determine physical compatibility between formulations. Follow the most restrictive precautions and limitations on the labeling of all products used in mixtures.

RESTRICTIONS: **DO NOT** graze or feed livestock on treated areas for 45 days after planting.

SEED BAG LABELING REQUIREMENTS

Seed commercially treated with this product must be labeled in accordance with all applicable requirements of the Federal Seed Act. The user of this product is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

THE FEDERAL SEED ACT REQUIRES THAT BAGS CONTAINING TREATED SEEDS BE LABELED WITH THE FOLLOWING STATEMENTS

This seed has been treated with SATIVA IMF MAX (imidacloprid, metalaxyl, tebuconazole, fludioxonil).
DO NOT use for feed, food, or oil purpose.

THE US ENVIRONMENTAL PROTECTION AGENCY REQUIRES THE FOLLOWING STATEMENTS ON BAGS CONTAINING SEEDS TREATED WITH SATIVA IMF MAX (imidacloprid, metalaxyl, tebuconazole, fludioxonil)

- **Pollinator Precautions** Imidacloprid is highly toxic to bees. Ensure that planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.
 - **Groundwater Advisory** Metalaxyl is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
 - Store away from feeds and foodstuffs.
 - Wear long sleeved shirt, long pants and chemical resistant gloves when handling treated seed. Treated seed must be planted into the soil at a depth greater than 1 inch.
 - Exposed treated seed may be hazardous to birds. Cover or incorporate spilled treated seeds. Excess or leftover seed may be double sown around the headland or buried away from bodies of water in accordance with local requirements.
 - Dispose of seed packaging in accordance with local requirements.
DO NOT graze or feed livestock on treated areas for 45 days after planting.
 - **DO NOT** contaminate water bodies when disposing of planting equipment wash water.
DO NOT allow children, pets, or livestock to have access to treated seed.
- In the event of a crop failure or harvest of a crop grown from SATIVA IMF MAX treated seed, the field may be replanted immediately to artichoke, barley, borage, Brassica (cole), leafy vegetables, bulb vegetables, canola, cilantro, corn (field or sweet), cotton, cranberry, crambe, cucurbits, eggplant, flax, groundcherry, leafy petiole vegetables, leafy vegetables, legume vegetables (succulent or dried including soybean), millet, mustard seed, oats, okra, pepinos, pepper, popcorn, potato, rapeseed, rye, safflower, sorghum, soybean, strawberry, sugarbeets, sunflower, tomatillo, tomato, triticale, root and tuber vegetables, watercress, and wheat. For cereals including buckwheat and rice, the minimum plant back interval is 30 days from the date SATIVA IMF MAX treated seed was planted. Cover crops for soil building or erosion control may be planted at any time, but do not graze or harvest for food or feed. For all other crops not listed on an imidacloprid label, or for crops for which no imidacloprid tolerance for the active ingredient has been established, a 12 month plant back interval must be observed.
- The maximum application rate (including seed treatment, foliar application, and soil application) per acre per year for imidacloprid is 0.5 lbs.
This seed has been treated with X lbs imidacloprid, X lbs metalaxyl, X lbs tebuconazole, X lbs fludioxonil per X lbs of seed [or X mg per seed].
 - Excess treated seed may be used for ethanol production only if (1) by products are not used for livestock feed and (2) no measurable residues of pesticides remain in the ethanol by products that are used in agronomic practice.

NOTE

If this product is undyed, the purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as a food for man or feed for animals. Refer to 21 CFR Part 2.25. Any dye added to treated seed must be cleared for use under 40 CFR Part 180.1001.

STORAGE AND DISPOSAL

DO NOT contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Store in a cool place **DO NOT** store in direct sunlight Protect from freezing temperatures

PESTICIDE DISPOSAL Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility

CONTAINER DISPOSAL [HANDLING]

[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

[Nonrefillable Containers 5 Gallons or Less]

Nonrefillable container DO NOT reuse or refill this container Offer for recycling if available 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 end 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 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 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 MANUFACTURER OR 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 PARTICULARTRADE 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 TO THE EXTENT CONSISTENT WITH APPLICABLE LAW MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BYWAY 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 BYTHE BUYER USER OR ITS CUSTOMERS TOTHE 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 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
(RV081012)

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