

100-1306

6-12-2008

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JUN 12 2008

Mr. Thomas J. Parsley
Product Registration
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request Primary Brand Name "Optigard Flex Liquid" and Warranty Statement
EPA Reg. No. 100-1306
Application Dated May 15, 2008

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 05/15/08 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" received but not reviewed and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

2/17

Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300
www.syngenta.com



May 15, 2008

Document Processing Desk (Notif)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

ATT: Linda Arrington

SUBJECT: OPTIGARD® 2SC INSECTICIDE
EPA REG. NO. 100-1306
NOTIFICATION PER EPA PR NOTICE 98-10:
CHANGE PRIMARY BRAND NAME TO "OPTIGARD FLEX LIQUID"
REVISE THE WARRANTY STATEMENT AND CORRECT TYPO

Dear Ms. Arrington:

Syngenta Crop Protection Inc., is submitting this notification for Optigard 2SC Insecticide (EPA Reg. No. 100-1306) to change the primary brand name to "Optigard Flex Liquid". This notification also revises the warranty statement to reflect language approved by the EPA and the legal department of Syngenta and corrects a typo in the "Food/Feed Handling Establishment Use" section to add the word "food" which was inadvertently omitted from the label copy. Two copies of labeling (one with changes highlighted) are attached.

The label code is SCP 1306A-M (Notif-Flex Liquid)

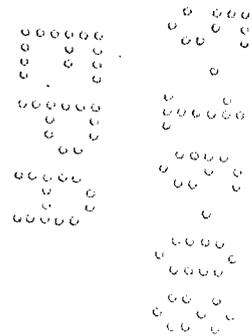
To complete this Notification, EPA form 8570-1 is enclosed.

Thank you in advance for approving this request. However, should you have any questions, please contact me at 336.632-7207 or via e-mail at thomas.parshley@syngenta.com.

Sincerely,

Thomas J Parshley / LA
Thomas J Parshley
Sr. Regulatory Product Manager

Enclosures: 2 copies labeling (1 highlighted with changes)
EPA Form 8570-1



NOTIFICATION

JUN 12 2008

(Master Label)

**Optigard® Flex Liquid
Insecticide**

To be applied only by or under the supervision of commercial applicators responsible for pest control programs.

- For control of listed pests [*optional*: including cockroaches, ants (except carpenter ants and Pharaoh ants), fire ants and beetles].
- For control of localized infestations of drywood termites, carpenter bees, and wood-destroying beetles and borers.

Active Ingredient:

Thiamethoxam ¹ (CAS No. 153719-23-4)	21.6%
Other Ingredients:	78.4%
<hr/>	
Total:	100.0%

¹ a thianicotinyl neonicotinoid insecticide

Optigard Flex Liquid is a suspension concentrate formulation that contains 2 lbs. thiamethoxam per gal. formulated product (244 grams thiamethoxam per liter formulated product).

KEEP OUT OF REACH OF CHILDREN.

CAUTION

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 additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1306

EPA Est. XXX

Product of XXXXX
Formulated in the USA

SCP 1306A-M(Notif Flex Liquid)

Net Contents

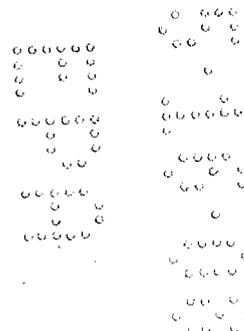
FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 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 on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • 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 a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER	
For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled or absorbed through skin. Do not breathe vapor or spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.



Personal Protection Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material - Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride [PVC] or viton)
- Shoes plus socks

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

User Safety Recommendations:

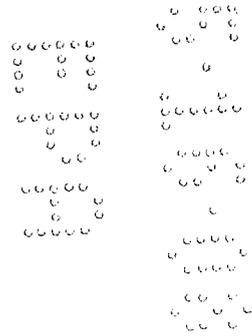
- Wash hands thoroughly before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

This pesticide is toxic to wildlife and highly toxic to aquatic invertebrates. 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 cleaning equipment or disposing of equipment wash water.

Physical and Chemical Hazards

Do not use, pour, spill or store near heat or open flame.



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 RESTRICTIONS

- **Use in all indoor permitted sites, including food handling establishments, must be restricted to areas which eliminate exposure to food handling surfaces and areas that are not easily accessible to occupants.**
- **Use of Optigard Flex Liquid in food/feed areas of food handling establishments must be restricted to structural voids which eliminate exposure to food handling surfaces.**
- Do not apply this product in a way that will contact any other person. Only protected applicators may be in the area during application. Keep people or pets away from treated area until dry.
- In living areas, do not apply Optigard Flex Liquid as a broadcast spray. In these areas use only as a void application, or as a spot treatment (e.g. under and/or behind appliances) or crack and crevice application in areas where occupants will not be exposed to direct contact.
- When applying Optigard Flex Liquid as a crack and crevice or spot treatment in living areas, do not exceed 0.5 gallons/1000 sq. ft. of a 0.1% finished dilution.
- For void applications, do not apply until location of heat pipes, ducts, water and sewer lines, and electrical conduits are known. Caution must be taken to avoid puncturing and injection into these structural elements. Do not apply into electrical switches or receptacles or other wiring where electrical shock hazards exist.

APPLICATION PROCEDURES

Optigard Flex Liquid must be applied as a diluted finished application using mixing directions contained in this label. Treatment techniques used should provide placement of the product in the infested areas or as near as possible. Optigard Flex Liquid may be applied to structural voids, in cracks, crevices, corners or other out of the way places, such as under and behind kitchen appliances and baseboards, under sinks, around window and door frames, pipes and water heaters and in the attic, crawl space and garage. Acceptable locations for treatment also include non-living space areas including, but not limited to, crawl spaces, attics and unfinished basements.

Applications may be made as a crack and crevice spray, a coarse, low-pressure spot spray, a surface spray or as a structural void application. Application to structural voids such as wall voids may be done by drilling a small hole into the void area or using a self-puncturing tip and injecting diluted product so that surfaces inside the void area are treated. Existing holes created by construction features may also be used to gain access to void treatment areas.

As described in the section on **CONTROL OF PESTS IN VOIDS**, closed, in-wall delivery systems may be used to apply product to the surfaces inside void areas.

Optigard Flex Liquid may also be used as a banded, spot treatment or crack and crevice application to perimeter exterior areas of structures for control of listed pests.

For remedial control of wood-destroying insects including drywood termites, wood-destroying beetles, and carpenter bees, Optigard Flex Liquid may be used as a spot treatment (including bait stations), wood surface application, or void application.

MIXING PROCEDURES

Mixing

Refer to **Application Dilution Table** for proper amount of Optigard Flex Liquid to be used to achieve the correct dilution. Refer to Use Directions of specific pest for application procedure and use rates.

To prepare the application mixture, fill the application tank 1/4 - 1/3 of desired volume with water before adding Optigard Flex Liquid. Then slowly add the required amount of Optigard Flex Liquid. Add the remaining amount of water and agitate until product is thoroughly mixed.

Application Dilution Table

Gallons of Finished Solution Desired	Amount in fl. oz. (or ml.) of Optigard Flex Liquid Needed to Obtain the Following % Dilutions of Active Ingredient:	
	0.05%	0.1%
1	0.27 fl. oz. (8 ml.)	0.54 fl. oz. (16 ml.)
3	0.81 fl. oz. (24 ml.)	1.62 fl. oz. (48 ml.)
5	1.35 fl. oz. (40 ml.)	2.71 fl. oz. (80 ml.)
10	2.71 fl. oz. (80 ml.)	5.41 fl. oz. (160 ml.)

DELIVERY OF OPTIGARD FLEX LIQUID WITH FOAM

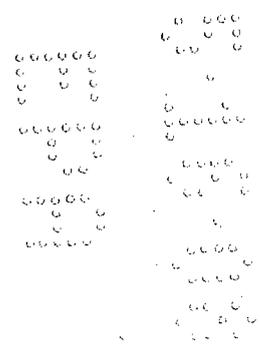
The diluted finished product may be converted to foam and applied to control pest infestations. Depending on the circumstances, foam applications may be used alone or in combination with liquid applications.

Foam Mixing Procedures and Application

Using the following table, mix the appropriate amount of Optigard Flex Liquid in water with the foaming manufacturer's recommended volume of foaming agent for application by foaming equipment.

Mixing Table for Optigard Flex Liquid Foam

Amount of Optigard Flex Liquid	Gal. of Water	Foam Expansion Ratio	Finished Foam (gallons)	Finished Dilution (% active ingredient)
1.35 fl. oz. (40 ml.)	1.0	5:1	5	0.05
2.71 fl. oz. (80 ml.)	1.0	10:1	10	
4.0 fl. oz. (120 ml.)	1.0	15:1	15	
6.76 fl. oz. (200 ml.)	1.0	25:1	25	
2.71 fl. oz. (80 ml.)	1.0	5:1	5	0.1
5.41 fl. oz. (160 ml.)	1.0	10:1	10	
8.0 fl. oz. (240 ml.)	1.0	15:1	15	
13.53 fl. oz. (400 ml.)	1.0	25:1	25	

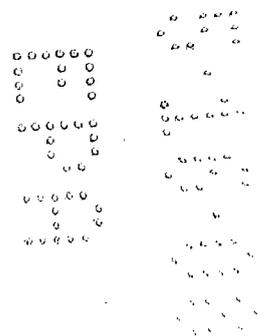


CONTROL OF WOOD DESTROYING INSECTS

Use Optigard Flex Liquid to control the following wood destroying insects. For specific application instructions refer to label text.

Pest	Application Method	Finished Dilution (% active ingredient)	Comments
Drywood Termites <ul style="list-style-type: none"> • Remedial Control 	Foam - Galleries Liquid - Galleries	0.1%	Retreat as needed
Carpenter Bees	Liquid or Foam - Gallery treatment	0.1%	
Wood-Destroying Beetles and Borers	Liquid or Foam- Gallery or Wood Surface Treatment	0.1%	

*Finished dilution of foam applications based on concentration in finished foam (see Mixing Table for Optigard Flex Liquid Foam in **MIXING PROCEDURES**)



void area are treated. Existing openings such as those around door or window frames may also be used as entry points to inject product. Apply enough volume to lightly coat the target surface. Do not exceed liquid volume that would allow runoff (e.g. for wood, runoff is about 0.05-0.1 ml./sq. inch). For example, a 2"x4"x16" wall void with wood frame should be treated with 2-4 ml. finished liquid solution per linear foot; other surfaces or wall void sizes may need more or less to achieve a light coating. For foam preparations, see instructions for use provided in the **MIXING PROCEDURES** section of this label. Apply approximately 60 – 120 ml. (2 – 4 fl. oz.) finished foam preparation per application point. Alternatively, closed, in-wall delivery systems may be used as described below to apply product to the surfaces inside void areas (see specific instructions in next section)

Use Optigard Flex Liquid for control of the following pests in voids and around structures.

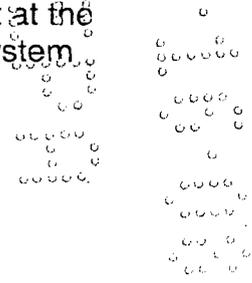
Target Pests	Dosage of Optigard Flex Liquid	Remarks
Ants*(except carpenter ants and Pharaoh ants) Beetles Boxelder bugs Cockroaches Crickets Earwigs Firebrats Lady beetles Millipedes Pillbugs Silverfish Sowbugs	0.05 - 0.1% (0.27 fl. oz. [8 ml.]- 0.54 fl. oz. [16 ml.] Optigard Flex Liquid /gal. water or finished foam)	Use 0.1% rate for heavy pest infestations. * Optigard Flex Liquid may be used as a liquid or foam treatment to control ants (except carpenter ants and Pharaoh ants) in termite monitoring stations (see Treatment of In-Ground Outdoor Monitoring Stations section for instructions). Ants (except carpenter ants and Pharaoh ants) mounds may also be spot treated with 0.05 – 0.1% finished liquid or foam.

For optimal results, use foam application.

Fixed In-Wall Delivery Systems

Closed, in-wall insecticidal delivery systems such as permanently installed piping or flexible tubing may also be used to deliver diluted product to inaccessible areas.

Generally, about one ounce of finished liquid product is needed per 35-40 ft. of tubing (based on 1/8"-diameter tubes). For these systems, use 0.05%-0.1% dilution rates as listed in the **Application Dilution Table**. Prepare the finished product at the appropriate dilution, inject into system as recommended by delivery system manufacturer.



[optional language:

EXTERIOR PEST CONTROL

For control of (listed) pests, use a 0.1% dilution of Optigard Flex Liquid as a void application, as an outdoor surface spray, a spot application or crack and crevice treatment. Refer to table in the section **Control of Pests in Voids** for a list of target pests. Apply to surfaces of structures where pests are likely to enter including but not limited to: utility entry points, soffit areas, eaves and attic vents, around doors or windows, weep or ventilation holes. Apply up to 2 gallons/1000 sq. ft. as a liquid. Optigard Flex Liquid may also be applied as a mist or foam. For ants (except carpenter ants and Pharaoh ants), treat along sidewalks or landscape edging or other areas where ants (except carpenter ants and Pharaoh ants) are likely to trail. Ant (except carpenter ants and Pharaoh ants) mounds may also be treated with a spot application or with a subsurface injection tool. Retreat as necessary to maintain control. For perimeter applications, do not exceed 17.0 fl. oz. (502 ml.) of Optigard Flex Liquid product per acre per year. When using a banded spray around the perimeter of the structure, a swath extending 2 feet up the structure exterior from the ground and 3 feet away from the foundation may be used.]

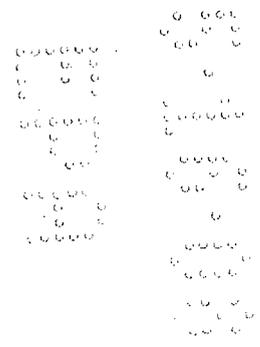
INDIVIDUAL MOUND TREATMENTS (FIRE ANTS)

For ants (*Solenopsis* spp.) prepare a drench solution at a concentration of 1 to 3 ounces per ten gallons of water. Thoroughly mix solution and apply directly to mounds. For control of small fire ant mounds (<6 inches in diameter at the surface) apply one gallon of drench solution per mound. For control of larger mounds, apply 2 to 3 gallons of the drench solution per mound. Direct the drench solution to the center of the mound. Do not apply less than 0.5 gallons or more than 3 gallons per mound. Not for broadcast application.

[optional language:

APPLICATION TO LANDSCAPE ORNAMENTAL PLANTS

Optigard Flex Liquid may be used on landscape ornamental plants to reduce populations of aphids, whiteflies and mealybugs which produce honeydew which serves as a food source for some ant species. Use a 0.1% liquid dilution of Optigard Flex Liquid as a foliar or banded application and apply up to 2 gallons/1000 sq. ft. Retreat as necessary to maintain control. Do not exceed 17.0 fl. oz. (502 ml.) of Optigard Flex Liquid product per acre per year.]



STORAGE AND DISPOSAL

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

Storage

Store unused product in original container only, out of reach of children and animals and in a cool dry place.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency call 1-800-888-8372, day or night.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of unused pesticide, application mixture, or rinse water is a violation of Federal law. If these wastes cannot be used 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 in proper disposal methods.

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 allowed by state or local authorities.

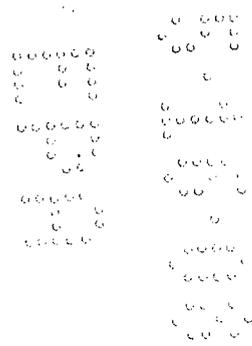
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For non-emergency (e.g., current product information), call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, North Carolina 27419-8300
www.syngenta-us.com

SCP 1306A-M(Notif Flex Liquid)

OPT Flex Liquid 1306A-M(Notif Flex Liquid)-lg-5-14-08



(Non-Detachable Container Label)

Optigard® Flex Liquid

Insecticide

To be applied only by or under the supervision of commercial applicators responsible for pest control programs.

- For control of listed pests [*optional*: including cockroaches, ants (except carpenter ants and Pharaoh ants), fire ants and beetles].
- For control of localized infestations of drywood termites, carpenter bees, and wood-destroying beetles and borers.

Active Ingredient:	
Thiamethoxam ¹ (CAS No. 153719-23-4)	21.6%
Other Ingredients:	78.4%
Total:	100.0%

¹ a thianicotinyl neonicotinoid insecticide

Optigard Flex Liquid is a suspension concentrate formulation that contains 2 lbs. thiamethoxam per gal. formulated product (244 grams thiamethoxam per liter formulated product).

KEEP OUT OF REACH OF CHILDREN.

CAUTION

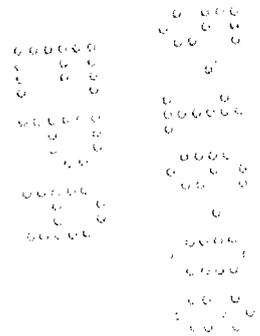
See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1306

EPA Est. XXXXX

SCP 1306A-M(Notif Flex Liquid)

Net Contents



PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled or absorbed through skin. Do not breathe vapor or spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

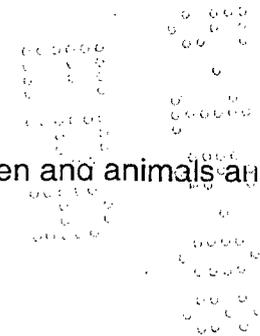
FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 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 on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • 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 a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER	
For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372	

STORAGE AND DISPOSAL

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

Storage

Store unused product in original container only, out of reach of children and animals and in a cool dry place.



For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency call 1-800-888-8372, day or night.

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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 allowed by state or local authorities.

Refer to Environmental Hazards, and Physical and Chemical Hazards sections in booklet.

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Manufactured for:
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, North Carolina 27419-8300
www.syngenta-us.com

SCP 1306A-M(Notif Flex Liquid)

OPT Flex Liquid 1306A-M(Notif Flex Liquid)-lg-5-14-08

