

City of Santa Barbara
MATERIAL EXEMPTION REQUEST FOR PESTICIDE APPLICATION

Dept: Public Works IPM Coordinator: Jim Dewey Phone: (805) 564-5568

Pesticide Applicator (employee or company) Name: Kenneth Ficklin- Eliseo Campos Phone: (805) 897-2541

Application Site: Specific Location: Two traffic roundabouts adjacent to the freeway on and off ramps in City right-of-way at Milpas, and Coast Villiage Road. Island medians at Garden @ Yanonali, Garden @ Gutierrez, Garden @ Cabrillo Blvdl , Calle Cesar Chavez @ Cabrillo Blvd, and Montecito from 100 West to 100 East. Other locations include Carrillo Hill and Old Coast Highway

Date(s): October 2013 – September 2014

Product Name: Roundup Pro Active Ingredient: Glyphosate 53.8%

Number of Applications: One-time Other:

Type: Emergency Trial Programmatic Other _____

Product type: Herbicide Insecticide Fungicide Other _____

Application: Ornamental Turf Golf Vector Control Park Tree Street Tree
 Right of Way Vertebrate pest **Other:**

Is the pesticide on the *Tiered Materials List*? No Yes **If yes, provide the Tier: 2**

If the pesticide is not on the *Tiered Materials List*, provide the following screening information. See the IPM Strategy and the *Tiered Materials List* for instructions on screening the pesticide.

EPA Reg # _____ Signal _____ Estimated Tier _____

Restricted No Yes/Describe _____

P Waste _____ PBT _____ WA PBT _____ Persistent _____ Mobil _____

Cancer _____ Repro _____ Neuro _____ Endocrine _____

Bird _____ Fish _____ Bees _____ Wildlife _____

X Attach product label and MSDS to this form.

Describe the pest problem.

The Streets Division is responsible for maintaining 2 traffic round a bouts, 14 traffic medians, 3 bike paths, 4 major parkway strips and 24 bulb outs, in various locations throughout the city. The problem at these locations are noxious weeds that include Bermuda, Kikuyu Grass, and Dandelions. The two traffic roundabouts adjacent to the freeway on and off ramps in City right of way are Milpas, and Coast Villiage. The island medians are at Garden @ Yanonali, Garden @ Gutierrez, Garden @ Cabrillo Blvdl , Calle Cesar Chavez @ Cabrillo Blvd, and Montecito from 100 West to 100 East. Other locations include, Carrillo Hill and Old Coast Highway.

Describe the management goals and objectives for this site.

The management goal is to eliminate the invasive weeds deep-rooted Bermuda grass, Dandelions and Kikuyu.

What is the damage threshold for this pest at this site?

Per Santos, the damage threshold at these sites is between \$1,000 - \$200,000

Describe the monitoring of the pest and potential predators that was conducted and the control methods previously used at the site.

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Staff monitors these sites twice a week. The control methods previously used at this site were, hand weeding and mulching.

Describe how the product would be applied including frequency, concentration, and method of application.

The product will be applied according to label instructions at a 1.5% spray solution. The area will then be irrigated to encourage remaining weed growth; no more than two additional spray applications will be done at 2-3 week intervals between spray applications in order to eliminate any existing Bermuda grass. Pre emergent (Surflan) will be applied in the fall

What non-target impacts are anticipated?

No non-target impacts anticipated.

How does the use of this product help achieve the site management goals? Note if this is curative or preventative.

This is a curative method since the Bermuda, Dandelion and Kikuyu already exists on these sites and the management goal is to complete weed removal.

How will the effectiveness of this product be monitored? Include expected results and indicators of success.

The effectiveness of this product can be easily visually monitored. Expected results are complete dieback of existing Bermuda grass, Dandelions and Kikuyu with no new growth following repeated irrigation to the area.

Describe site conditions, for example consider the following: restricted access, distance from a creek or body of water, degree of runoff, site is a pesticide-free zone, etc.

These sites are not near a creek or body of water. The site is level and there will be no runoff. This is a green zone.

List alternatives considered, alternatives implemented and why they were eliminated.

There are no feasible alternatives to eradicate this Bermuda turf/grass.

Justification: describe why is applying this pesticide is the best solution and why a less-hazardous chemical, non-chemical option or taking no action is not feasible.

The priority at these locations is safety and visibility which aid in reducing the chances of a collision. The above locations are in the middle of traffic, and if possible our goal is to keep staff that performs the hand weeding out of harms way. There is also a very low volume of pedestrians in the traffic medians and circles, minimizing exposure.

Was outside expertise utilized? No Yes / Describe: Agriturf gave us a consultation

Describe future plans to prevent using the chemical again.

Extensive mulching, mechanical and manual weeding and Pre emergent (Surflan) will be done to control any noxious weed regrowth.

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Dept: Public Works IPM Coordinator: Jim Dewey Phone: (805) 564-5568

Pesticide Applicator (employee or company) Name: Kenneth Ficklin- Eliseo Campos Phone: (805) 897-2541

Application Site: Specific Location: The two traffic roundabouts adjacent to the freeway on and off ramps in City right of way are Milpas, and Coast Villiage. The island medians are at Garden @ Yanonali, Garden @ Gutierrez, Garden @ Cabrillo Blvdl , Calle Cesar Chavez @ Cabrillo Blvd, and Montecito from 100 West to 100 East. Other locations include, Carrillo Hill and Old Coast Highway.

Date(s): Between October 2013 – September 2014

Product Name: Surflan Active Ingredient: Surflan

Number of Applications: One-time Other:

Type: Emergency Trial Programmatic Other _____

Product type: Herbicide Insecticide Fungicide Other _____

Application: Ornamental Turf Golf Vector Control Park Tree Street Tree
 Right of Way Vertebrate pest **Other:**

Is the pesticide on the *Tiered Materials List*? No Yes **If yes, provide the Tier: 2**

If the pesticide is not on the *Tiered Materials List*, provide the following screening information. See the IPM Strategy and the *Tiered Materials List* for instructions on screening the pesticide.

EPA Reg # _____ Signal _____ Estimated Tier _____
Restricted No Yes/Describe _____
P Waste _____ PBT _____ WA PBT _____ Persistent _____ Mobil _____
Cancer _____ Repro _____ Neuro _____ Endocrine _____
Bird _____ Fish _____ Bees _____ Wildlife _____

X Attach product label and MSDS to this form.

Describe the pest problem.

The Streets Division is responsible for maintaining 2 traffic round a bouts, 14 traffic medians, 3 bike paths, 4 major parkway strips and 24 bulb outs, in various locations throughout the city. The problem at these locations are noxious weeds that include Bermuda, Kikuyu Grass, and Dandelions. The two traffic roundabouts adjacent to the freeway on and off ramps in City right of way are Milpas, and Coast Villiage. The island medians are at Garden @ Yanonali, Garden @ Gutierrez, Garden @ Cabrillo Blvdl , Calle Cesar Chavez @ Cabrillo Blvd, and Montecito from 100 West to 100 East. Other locations include, Carrillo Hill and Old Coast Highway.

Describe the management goals and objectives for this site.

The management goal is to eliminate the invasive weeds deep-rooted Bermuda grass, Dandelions and Kikuyu and minimize the eruption of these weeds in the spring.

What is the damage threshold for this pest at this site?

Per Santos, the damage threshold at these sites is between \$1,000 - \$200,000.

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Describe the monitoring of the pest and potential predators that was conducted and the control methods previously used at the site.

The control methods previously used at this site were to apply mulch.

Describe how the product would be applied including frequency, concentration, and method of application.

The product will be applied according to label instructions and done in the fall. The emergent is important to keep the sprouting of new weeds to a minimum during the spring.

What non-target impacts are anticipated?

No non-target impacts anticipated.

How does the use of this product help achieve the site management goals? Note if this is curative or preventative.

This is a curative method since the Bermuda, Dandelion and Kikuyu already exists on these sites and the management goal is to complete weed removal.

How will the effectiveness of this product be monitored? Include expected results and indicators of success.

The effectiveness of this product can be easily visually monitored. Expected results are complete dieback of existing Bermuda grass, Dandelions and Kikuyu with no new growth following repeated irrigation to the area.

Describe site conditions, for example consider the following: restricted access, distance from a creek or body of water, degree of runoff, site is a pesticide-free zone, etc.

These sites are not near a creek or body of water. The site is level and there will be no runoff.

List alternatives considered, alternatives implemented and why they were eliminated.

There are no feasible alternatives to prevent weeds from growing back.

Justification: describe why is applying this pesticide is the best solution and why a less-hazardous chemical, non-chemical option or taking no action is not feasible.

Surflan is the least toxic effective systemic weed pre emergent available.

Was outside expertise utilized? No Yes / Describe: Santos Escobar

Describe future plans to prevent using the chemical again.

Extensive mulching, mechanical and manual weeding will be done to control any noxious weed regrowth.

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Signatures _____
Department IPM Coordinator City IPM Coordinator

Completed by the City of Santa Barbara Staff IPM Committee

Vote Tally ____ Disposition: Approved Denied/Reason _____

If approved, follow the attached best management practices.

Comments:

Completed by the IPM Advisory Committee

Vote Tally ____ Disposition: Approved Denied/Reason _____

If approved, follow the attached best management practices.

Comments:

Pesticide Exemption Request.

Dept: Facilities / Public Works IPM Coordinator: Joe Gonzales

Phone: 897-7392

Pesticide Applicator (employee or company) Name: Lenz Pest Control Phone: 962-9151

Application Site: All City owned structures Specific Location: Unknown

Date(s): Not scheduled yet Product Name: Termidor Active Ingredient: Fipronil % 9.1

Number of Applications: One-time Other

Type: Emergency Trial Programmatic Other Curative

Product type: Herbicide Insecticide Fungicide Other _____

Application: Ornamental Turf Golf Vector Control Park Tree
 Street Tree Right of Way Vertebrate pest Other Structural Pest Control

Is the pesticide on the *Tiered Materials List*? No Yes If yes, provide the Tier 2

If the pesticide is not on the *Tiered Materials List*, provide the following screening information. See the IPM Strategy and the *Tiered Materials List* for instructions on screening the pesticide.

EPA Reg # 7969-210 Signal Caution Estimated Tier 2

Restricted No Yes/Describe _____

P Waste _____ PBT _____ WA PBT _____ Persistent _____

Mobil _____ Cancer _____ Repro _____ Neuro _____

Endocrine _____ Bird _____ Fish _____ Bees _____

Wildlife _____

Attach product label and MSDS to this form.

Ants

Describe the pest problem.

Ants are invading the structure through doors, windows and cracks and crevices from the exterior of the structure. All other methods and products have been used and have failed. See ant policy. This is step 6 of the policy.

Describe the management goals and objectives for this site.

The management goal is reduce/eliminate ant colonies around the exterior perimeter of the building to lessen complaints of interior ant invasions. Also to prevent the constant need for re-treatment with pesticide each time someone reports an ant problem. Also, we hope to reduce the amount of household products such as Raid are used in desperation from City employees.

What is the damage threshold for this pest at this site?

Visible ants inside the structure for 3 weeks.

Describe the monitoring of the pest and potential predators that was conducted and the control methods previously used at the site.

Ant colonies have been monitored for 3 weeks. No natural predators known for Argentine Ants. A pesticide application was used with products approved for use by ant policy. No results were noted using less toxic products.

Describe how the product would be applied including frequency, concentration, and method of application.

This would be a one time treatment that should last for six months or longer. Re-treatment would be needed after six months if problems re-appear and all alternative methods on the City ant policy were followed. The concentration of the product would be 1.6oz mixed with 2.5 gallons of water. The largest structures the City owns would require less than 10oz total. The method of application would be to spray a band of Termidor 1 foot up and 1 foot out from the perimeter foundation of the structure as well as cracks and crevices where ants can enter.

What non-target impacts are anticipated?

No non-target impacts are anticipated.

How does the use of this product help achieve the site management goals? Note if this is curative or preventative.

This is a curative effort. The ant colonies at treated areas will be destroyed. Re-infestation from these colonies is very unlikely.

How will the effectiveness of this product be monitored? Include expected results and indicators

of success.

A lack of future sightings will indicate a successful treatment.

Describe site conditions, for example consider the following: restricted access, distance from a creek or body of water, degree of runoff, site is a pesticide-free zone, etc.

No site conditions present problems. Treatment happens early in the morning and a technician will stay on site until the product has dried. After the product is dry, no further precautions apply.

List alternatives considered, alternatives implemented and why they were eliminated.

The alternative to Termidor is a re-treatment with Advion products. This was not effective the last time and would add more pesticides to the environment without gain. There are no other products on your pesticide list that work for ants.

Justification: describe why is applying this pesticide is the best solution and why a less-hazardous chemical, non-chemical option or taking no action is not feasible.

By using this product we will drastically reduce the total amount of chemicals needed to treat this problem. This is the lowest dosage of product for the most results. No other product works with the same effectiveness of Termidor.

Was outside expertise utilized? No Yes / Lenz Pest Control

Describe future plans to prevent using the chemical again.

This product only needs to be used when ant populations have grown enough to constantly invade the structure from the outside. If problems are found early, Advion products usually work great. There is no known way to prevent ants colonies from forming on the property. Ants will return at some point but this chemical will provide control for the longest period by eliminating colonies. New colonies need to establish before problems will re-appear.

Signatures

Department IPM Coordinator

City IPM Coordinator

Pesticide Exemption Request.

Dept: Facilities / Public Works IPM Coordinator: Joe Gonzales

Phone: 897-7392

Pesticide Applicator (employee or company) Name: Lenz Pest Control Phone: 962-9151

Application Site: City owned structures Specific Location: On Termite inspection report

Date(s): Not scheduled yet Product Name: Termidor Active Ingredient: Fipronil % 9.1

Number of Applications: One-time Other

Type: Emergency Trial Programmatic Other Curative

Product type: Herbicide Insecticide Fungicide Other _____

Application: Ornamental Turf Golf Vector Control Park Tree
 Street Tree Right of Way Vertebrate pest Other Structural Pest Control

Is the pesticide on the *Tiered Materials List*? No Yes If yes, provide the Tier

If the pesticide is not on the *Tiered Materials List*, provide the following screening information. See the IPM Strategy and the *Tiered Materials List* for instructions on screening the pesticide.

EPA Reg # 7969-210 Signal Caution Estimated Tier 2

Restricted No Yes/Describe _____

P Waste _____ PBT _____ WA PBT _____ Persistent _____

Mobil _____ Cancer _____ Repro _____ Neuro _____

Endocrine _____ Bird _____ Fish _____ Bees _____

Wildlife _____

Attach product label and MSDS to this form.

Termite

Describe the pest problem.

Subterranean Termites were found to be swarming in the building. They are entering from beneath the concrete slab.

Describe the management goals and objectives for this site.

The management goal is reduce/eliminate Subterranean Termite infestations in the building to prevent damage from occurring. Treatment will also prevent reinfestation in treated areas.

What is the damage threshold for this pest at this site?

Structural damage may occur if infestation is left unchecked.

Describe the monitoring of the pest and potential predators that was conducted and the control methods previously used at the site.

Reinspection after 4 weeks to determine if problem is still active. Retreatment with Timbor for areas that still show evidence of termites.

Describe how the product would be applied including frequency, concentration, and method of application.

This is a one time treatment that should eliminate all Subterranean Termites in treated area. Treatment is performed by injecting Termidor under pressure into ½ inch holes drilled through the concrete slab. The termites will travel through the Termidor on their way to and from the colony, causing colony elimination. The concentration of the product is 0.8 fl oz of Termidor to 1 Gallon of water. 3 - 4 oz of Termidor will be needed for this treatment.

What non-target impacts are anticipated?

No non-target impacts are anticipated.

How does the use of this product help achieve the site management goals? Note if this is curative or preventative.

This is a curative effort. The termite colonies at treated areas will be destroyed. Re-infestation from these colonies is very unlikely.

How will the effectiveness of this product be monitored? Include expected results and indicators of success.

A lack of future sightings will indicate a successful treatment.

Describe site conditions, for example consider the following: restricted access, distance from a creek or body of water, degree of runoff, site is a pesticide-free zone, etc.

No site conditions present problems. Because the chemical is injected under the slab, no contact or runoff is expected.

List alternatives considered, alternatives implemented and why they were eliminated.

The alternative to Termidor is Premise. That product is not approved either.

Justification: describe why is applying this pesticide is the best solution and why a less-hazardous chemical, non-chemical option or taking no action is not feasible.

This is the least harmful treatment that is effective for the control of Subterranean Termites.

Was outside expertise utilized? No Yes / Describe

Describe future plans to prevent using the chemical again.

This chemical only needs to be used when active termite infestations are discovered. There is no guaranteed way to prevent infestation.

Signatures

Department IPM Coordina

City IPM Coordinator

Pesticide Exemption Request.

Dept: Facilities / Public Works IPM Coordinator: Joe Gonzales

Phone: 897-7392

Pesticide Applicator (employee or company) Name: Lenz Pest Control Phone: 962-9151

Application Site: All City Owned Buildings see attached list. Specific Location: Not Known Until inspected and reported to Joe Gonzales

Date(s): Not scheduled yet Product Name: Timbor Active Ingredient: Disodium Octaborate Tetrahydrate % 98

Number of Applications: One-time Other

Type: Emergency Trial Programmatic Other Curative

Product type: Herbicide Insecticide Fungicide Other _____

Application: Ornamental Turf Golf Vector Control Park Tree
 Street Tree Right of Way Vertebrate pest Other Structural Pest Control

Is the pesticide on the *Tiered Materials List*? No Yes If yes, provide the Tier 2

If the pesticide is not on the *Tiered Materials List*, provide the following screening information. See the IPM Strategy and the *Tiered Materials List* for instructions on screening the pesticide.

EPA Reg # 64405-8 Signal Caution Estimated Tier 1

Restricted No Yes/Describe _____

P Waste _____ PBT _____ WA PBT _____ Persistent _____

Mobil _____ Cancer _____ Repro _____ Neuro _____

Endocrine _____ Bird _____ Fish _____ Bees _____

Wildlife _____

Attach product label and MSDS to this form.

Joe Gonzales

Describe the pest problem.

Drywood Termite infestations found in buildings entering through vents, cracks and crevices from the exterior perimeter of the buildings.

Describe the management goals and objectives for this site.

The management goal is reduce/eliminate Drywood Termite infestations in the building to prevent damage from occurring. Treatment will also prevent reinfestation in treated areas. Evidence of termites to be covered or removed to help with future inspections of site.

What is the damage threshold for this pest at this site?

Possible structural damage may occur if infestation is left unchecked.

Describe the monitoring of the pest and potential predators that was conducted and the control methods previously used at the site.

Reinspection after 4 weeks to determine if problem is still active. Retreatment with Timbor for areas that still show evidence of termites.

Describe how the product would be applied including frequency, concentration, and method of application.

This is a one time treatment that should eliminate all Drywood Termites in treated area. Treatment is performed by injecting Timbor under pressure into the wood at infested areas. Timbor will travel through the galleries created by the termites, reaching all termites in the infested area. The concentration of the product is 1 lb of Timbor to 1 Gallon of water. 1 to 2 oz will be needed for each area treated.

What non-target impacts are anticipated?

No non-target impacts are anticipated.

How does the use of this product help achieve the site management goals? Note if this is curative or preventative.

This is a curative effort. The termite colonies at treated areas will be destroyed. Re-infestation from these colonies is very unlikely.

How will the effectiveness of this product be monitored? Include expected results and indicators of success.

A reinspection of the site will determine if treatment was successful. After covering or removing original evidence of infestation, a lack of further evidence of infestation will indicate success.

Describe site conditions, for example consider the following: restricted access, distance from a creek or body of water, degree of runoff, site is a pesticide-free zone, etc.

No site conditions present problems. Because the chemical is injected into the wood, no contact or runoff is expected.

List alternatives considered, alternatives implemented and why they were eliminated.

The alternative to Timbor is Borrid Turbo. That product is no longer available for purchase.

Justification: describe why is applying this pesticide is the best solution and why a less-hazardous chemical, non-chemical option or taking no action is not feasible.

This is the least harmful treatment that is effective for the control of Drywood Termites.

Was outside expertise utilized? No Yes / Describe

Describe future plans to prevent using the chemical again.

This chemical only needs to be used when active termite infestations are discovered. Painting or sealing exterior wood will help prevent future infestation, but there is no guaranteed way to prevent infestation.

Signatures

Department IPM Coordina

City IPM Coordinator

Pesticide Exemption Request.

Dept: Facilities / Public Works IPM Coordinator: Joe Gonzales

Phone: 897-7392

Pesticide Applicator (employee or company) Name: Lenz Pest Control Phone: 962-9151

Application Site: City owned structures Specific Location: Unknown

Date(s): Not scheduled yet Product Name: Advion Ant Granules Active Ingredient: Indoxacarb .22%

Number of Applications: One-time Other

Type: Emergency Trial Programmatic Other_

Product type: Herbicide Insecticide Fungicide Other _____

Application: Ornamental Turf Golf Vector Control Park Tree
 Street Tree Right of Way Vertebrate pest Other Structural Pest Control

Is the pesticide on the *Tiered Materials List*? No Yes If yes, provide the Tier

If the pesticide is not on the *Tiered Materials List*, provide the following screening information. See the IPM Strategy and the *Tiered Materials List* for instructions on screening the pesticide.

EPA Reg # 352-651 Signal Caution Estimated Tier 2

Restricted No Yes/Describe _____

P Waste _____ PBT _____ WA PBT _____ Persistent _____

Mobil _____ Cancer _____ Repro _____ Neuro _____

Endocrine _____ Bird _____ Fish _____ Bees _____

Wildlife _____

Attach product label and MSDS to this form.

6-11-11

Describe the pest problem.

Ants are invading the buildings through doors, windows, cracks and crevices from the exterior perimeter of the buildings. All non-chemical methods have been tried and have failed. This is step 3 on City ant policy. It is combined with an interior treatment of Advion Ant Gel

Describe the management goals and objectives for this site.

The management goal is reduce/eliminate ant trails around the exterior of structures where ants are present and entering the structure. The goal is to lessen the complaints of interior ant problems. Also, we hope to prevent any treatment by City employees with home pesticides such as Raid. Also to reduce the amount of pesticides that are used by City staff. This treatment is combined with an interior treatment of Advion Ant Gel.

What is the damage threshold for this pest at this site?

Visible ants inside the structure for more than 1 week. Other methods and recommendations have had no results. See ant policy.

Describe the monitoring of the pest and potential predators that was conducted and the control methods previously used at the site.

Ants will be monitored for 1 week after initial inspection to determine if sanitization recommendations have worked. Advion products will be used if problems persist. Re-inspection 1 week after treatment to determine if Advion treatments had an effect on the populations. If no effect has been noticed than move to the next step of the policy which is Termidor treatment. If an effect on the populations have been noticed but a few ants remain, a re-treatment with Advion will be needed.

Describe how the product would be applied including frequency, concentration, and method of application.

This is a one time treatment that if it works, should last up to three months. Re-treatment will be needed if problems re-occur. The application rate for this product is 1.5 lbs per 1000 sq feet. Application is made to the exterior perimeter of the structure in a band. Visible ant trails will be tracked up to 10 ft from the structure.

What non-target impacts are anticipated?

No non-target impacts are anticipated.

How does the use of this product help achieve the site management goals? Note if this is curative or preventative.

This is a curative effort. Ants take bait back to colonies. If this treatment works, then further treatment would not be necessary unless new ants were found. Product is very low toxicity.

How will the effectiveness of this product be monitored? Include expected results and indicators of success.

The effectiveness of the product is easily monitored. Results take approx 1 week. Re-inspection after 1 week will determine the effectiveness.

Describe site conditions, for example consider the following: restricted access, distance from a creek or body of water, degree of runoff, site is a pesticide-free zone, etc.

Site location is the exterior perimeter of structures. No precautionary measures are required and products can be applied with people present. Not done in rain or windy conditions.

List alternatives considered, alternatives implemented and why they were eliminated.

The alternative to Advion Granules is Niban Granules. We have tried this product before and it had no success.

Justification: describe why is applying this pesticide is the best solution and why a less-hazardous chemical, non-chemical option or taking no action is not feasible.

The reason to us Advion Ant Granules is that Advion has been proven to work against ants. Niban granules were not effective in the past. The products have very low toxicity and are a good first step for pesticide applications. If the product works, it will reduce the amount of pesticides needed in the future.

Was outside expertise utilized? No Yes / Lenz Pest Control

Describe future plans to prevent using the chemical again.

This product only needs to be used when ant populations have grown enough to constantly invade the structure from the outside. If problems are found early, Advion products usually work great. There is no known way to prevent ants colonies from forming on the property. Ants will return at some point but this chemical will provide control for the longest period by eliminating colonies. New colonies need to establish before problems will re-appear.

Signatures

Department IPM Coordinator

City IPM Coordinator

Pesticide Exemption Request.

Dept: Facilities / Public Works IPM Coordinator: Joe Gonzales

Phone: 897-7392

Pesticide Applicator (employee or company) Name: Lenz Pest Control Phone: 962-9151

Application Site: City owned structures Specific Location: Unknown

Date(s): Not scheduled yet Product Name: Advion Roach Gel Active Ingredient: Indoxacarb .06%

Number of Applications: One-time Other

Type: Emergency Trial Programmatic Other

Product type: Herbicide Insecticide Fungicide Other _____

Application: Ornamental Turf Golf Vector Control Park Tree
 Street Tree Right of Way Vertebrate pest Other Structural Pest Control

Is the pesticide on the *Tiered Materials List*? No Yes If yes, provide the Tier

If the pesticide is not on the *Tiered Materials List*, provide the following screening information. See the IPM Strategy and the *Tiered Materials List* for instructions on screening the pesticide.

EPA Reg # 352-652 Signal Caution Estimated Tier 2

Restricted No Yes/Describe _____

P Waste _____ PBT _____ WA PBT _____ Persistent _____

Mobil _____ Cancer _____ Repro _____ Neuro _____

Endocrine _____ Bird _____ Fish _____ Bees _____

Wildlife _____

Attach product label and MSDS to this form.

roach

Describe the pest problem.

Cockroaches have been located inside a structure. Monitoring traps have not succeeded in reducing the populations and all sanitary recommendations have been met. Problems have persisted for more than one week.

Describe the management goals and objectives for this site.

The management goal is reduce/eliminate cockroach infestations around interior locations where roaches are present. The goal is to lessen the complaints of interior roach problems. Also, we hope to prevent any treatment by City employees with home pesticides such as Raid. Also to reduce the amount of pesticides that are used by City staff.

What is the damage threshold for this pest at this site?

Visible roaches inside the structure for more than 1 week. Other methods and recommendations have had no results.

Describe the monitoring of the pest and potential predators that was conducted and the control methods previously used at the site.

Roaches will be monitored for 1 week after initial inspection to determine if sanitization recommendations and monitoring traps have worked. Advion products will be used if problems persist. Re-inspection 1 week after treatment to determine if Advion treatments had an effect on the populations. Re-treatment could be needed if problems persist.

Describe how the product would be applied including frequency, concentration, and method of application.

This is a one time treatment that if it works, should be curative. Re-treatment will be needed if problems re-occur. The application rate for this product is .1 to 1 gram per bait location. Several locations will be treated. Gel is injected into cracks and crevices as well as bait stations. Gel and stations are put where roach activity is found.

What non-target impacts are anticipated?

No non-target impacts are anticipated.

How does the use of this product help achieve the site management goals? Note if this is curative

or preventative.

This is a curative effort. Roaches eat bait and feed to other roaches. If this treatment works, then further treatment would not be necessary unless new roaches were found. Product is very low toxicity.

How will the effectiveness of this product be monitored? Include expected results and indicators of success.

The effectiveness of the product is easily monitored. Results take approx 1 week. Re-inspection after 1 week will determine the effectiveness.

Describe site conditions, for example consider the following: restricted access, distance from a creek or body of water, degree of runoff, site is a pesticide-free zone, etc.

Site location is the interior of structures. No precautionary measures are required and products can be applied with people present.

List alternatives considered, alternatives implemented and why they were eliminated.

The alternative to Advion is Boric Acid Baits. We have tried these and had no success in the past.

Justification: describe why is applying this pesticide is the best solution and why a less-hazardous chemical, non-chemical option or taking no action is not feasible.

The reason to us Advion Roach Gel is that Advion has been proven to work against roaches. Niban and boric acid baits were not effective in the past. The products have very low toxicity and are a good first step for pesticide applications. If the product works, it will reduce the amount of pesticides needed in the future.

Was outside expertise utilized? No Yes / Describe

Describe future plans to prevent using the chemical again.

This product only needs to be used when roach infestations are found. If problems are found early, Advion products usually work great.

Signatures

Department IPM Coordina

City IPM Coordinator

Pesticide Exemption Request.

Dept: Facilities / Public Works _IPM Coordinator: Joe Gonzales

Phone: 897-7392

Pesticide Applicator (employee or company) Name: Lenz Pest Control Phone: 962-9151

Application Site: City owned structures Specific Location: Unknown

Date(s): Not scheduled yet Product Name: Advion Ant Gel Active Ingredient: Indoxacarb .05%

Number of Applications: One-time Other

Type: Emergency Trial Programmatic Other_

Product type: Herbicide Insecticide Fungicide Other _____

Application: Ornamental Turf Golf Vector Control Park Tree

Street Tree Right of Way Vertebrate pest Other Structural Pest Control

Is the pesticide on the *Tiered Materials List*? No Yes If yes, provide the Tier

If the pesticide is not on the *Tiered Materials List*, provide the following screening information. See the IPM Strategy and the *Tiered Materials List* for instructions on screening the pesticide.

EPA Reg # 352-746 Signal Caution Estimated Tier 2

Restricted No Yes/Describe _____

P Waste _____ PBT _____ WA PBT _____ Persistent _____

Mobil _____ Cancer _____ Repro _____ Neuro _____

Endocrine _____ Bird _____ Fish _____ Bees _____

Wildlife _____

Attach product label and MSDS to this form.

lenz

Describe the pest problem.

Ants are invading the buildings through doors, windows, cracks and crevices from the exterior perimeter of the buildings. All non-chemical methods have been tried and have failed. This is step 3 on City ant policy. It is combined with an exterior treatment with Advion Granules.

Describe the management goals and objectives for this site.

The management goal is reduce/eliminate ant trails around interior locations where ants are present. The goal is to lessen the complaints of interior ant problems. Also, we hope to prevent any treatment by City employees with home pesticides such as Raid. Also to reduce the amount of pesticides that are used by City staff. This treatment is combined with an exterior treatment with Advion Granules.

What is the damage threshold for this pest at this site?

Visible ants inside the structure for more than 1 week. Other methods and recommendations have had no results. See ant policy.

Describe the monitoring of the pest and potential predators that was conducted and the control methods previously used at the site.

Ants will be monitored for 1 week after initial inspection to determine if sanitization recommendations have worked. Advion products will be used if problems persist. Re-inspection 1 week after treatment to determine if Advion treatments had an effect on the populations. If no effect has been noticed than move to the next step of the policy which is Termidor treatment. If an effect on the populations have been noticed but a few ants remain, a re-treatment with Advion will be needed.

Describe how the product would be applied including frequency, concentration, and method of application.

This is a one time treatment that if it works, should last up to three months. Re-treatment will be needed if problems re-occur. The application rate for this product is .1 to 1 gram per bait location. Several locations will be treated. Gel is injected into cracks and crevices as well as bait stations. Gel and stations are put where ant activity is found.

What non-target impacts are anticipated?

No non-target impacts are anticipated.

How does the use of this product help achieve the site management goals? Note if this is curative or preventative.

This is a curative effort. Ants take bait back to colonies. If this treatment works, then further treatment would not be necessary unless new ants were found. Product is very low toxicity.

How will the effectiveness of this product be monitored? Include expected results and indicators of success.

The effectiveness of the product is easily monitored. Results take approx 1 week. Re-inspection after 1 week will determine the effectiveness.

Describe site conditions, for example consider the following: restricted access, distance from a creek or body of water, degree of runoff, site is a pesticide-free zone, etc.

Site location is the interior of structures. No precautionary measures are required and products can be applied with people present.

List alternatives considered, alternatives implemented and why they were eliminated.

The alternative to Advion is Boric Acid Baits. We have tried these and had no success in the past.

Justification: describe why is applying this pesticide is the best solution and why a less-hazardous chemical, non-chemical option or taking no action is not feasible.

The reason to us Advion Ant Gel is that Advion has been proven to work against ants. Niban granules were not effective in the past. The products have very low toxicity and are a good first step for pesticide applications. If the product works, it will reduce the amount of pesticides needed in the future.

Was outside expertise utilized? No Yes / Describe

Describe future plans to prevent using the chemical again.

This product only needs to be used when ant populations have grown enough to constantly invade the structure from the outside. If problems are found early, Advion products usually work great. There is no known way to prevent ants colonies from forming on the property. Ants will return at some point but this chemical will provide control for the longest period by eliminating colonies. New colonies need to establish before problems will re-appear.

Signatures

Department IPM Coordina

City IPM Coordinator

Pesticide Exemption Request.

Dept: Facilities / Public Works _IPM Coordinator: Joe Gonzales

Phone: 897-7392

Pesticide Applicator (employee or company) Name: Lenz Pest Control Phone: 962-9151

Application Site: All City owned structures Specific Location: Unknown

Date(s): Not scheduled yet Product Name: Arilon Active Ingredient: Indoxacarb 20%

Number of Applications: One-time Other

Type: Emergency Trial Programmatic Other Curative

Product type: Herbicide Insecticide Fungicide Other _____

Application: Ornamental Turf Golf Vector Control Park Tree
 Street Tree Right of Way Vertebrate pest Other Structural Pest Control

Is the pesticide on the *Tiered Materials List*? No Yes If yes, provide the Tier 2

If the pesticide is not on the *Tiered Materials List*, provide the following screening information. See the IPM Strategy and the *Tiered Materials List* for instructions on screening the pesticide.

EPA Reg # 352-776 Signal Cautious Estimated Tier 2

Restricted No Yes/Describe _____

P Waste _____ PBT _____ WA PBT _____ Persistent _____

Mobil _____ Cancer _____ Repro _____ Neuro _____

Endocrine _____ Bird _____ Fish _____ Bees _____

Wildlife _____

Attach product label and MSDS to this form.

ant

Describe the pest problem.

Ants are invading the buildings through doors, windows, cracks and crevices from the exterior perimeter of the buildings. All non-chemical methods have been tried and have failed. This would be step 3 on City ant policy. It is combined with an interior treatment of Advion Ant Gel

Describe the management goals and objectives for this site.

The management goal is reduce/eliminate ant trails around the exterior of structures where ants are present and entering the structure. The goal is to lessen the complaints of interior ant problems. Also, we hope to prevent any treatment by City employees with home pesticides such as Raid. Also to reduce the amount of pesticides that are used by City staff. This treatment is combined with an interior treatment of Advion Ant Gel.

What is the damage threshold for this pest at this site?

Visible ants inside the structure for more than 1 week. Other methods and recommendations have had no results. See ant policy.

Describe the monitoring of the pest and potential predators that was conducted and the control methods previously used at the site.

Ant colonies have been monitored for 1 weeks. No natural predators known for Argentine Ants. This is the first pesticide application to be made.

Describe how the product would be applied including frequency, concentration, and method of application.

This would be a one time treatment that should last for three months or longer. Re-treatment would be needed if problems re-appear and all alternative methods on the City ant policy were followed. The concentration of the product would be .75oz mixed with 1 gallons of water. The largest structures the City owns would require less than 10oz total. The method of application would be to spray a band of Arilon 1 foot up and 1 foot out from the perimeter foundation of the structure as well as cracks and crevices where ants can enter. Also treat visible ant trails.

What non-target impacts are anticipated?

No non-target impacts are anticipated.

How does the use of this product help achieve the site management goals? Note if this is curative or preventative.

This is a curative effort. The ant colonies at treated areas will be destroyed. Re-infestation from these colonies is very unlikely.

How will the effectiveness of this product be monitored? Include expected results and indicators of success.

A lack of future sightings will indicate a successful treatment.

Describe site conditions, for example consider the following: restricted access, distance from a creek or body of water, degree of runoff, site is a pesticide-free zone, etc.

No site conditions present problems. Treatment happens early in the morning and a technician will stay on site until the product has dried. After the product is dry, no further precautions apply.

List alternatives considered, alternatives implemented and why they were eliminated.

The alternative to Termidor is a re-treatment with Advion products. This was not effective the last time and would add more pesticides to the environment without gain. There are no other products on your pesticide list that work for ants.

Justification: describe why is applying this pesticide is the best solution and why a less-hazardous chemical, non-chemical option or taking no action is not feasible.

By using this product we will drastically reduce the total amount of chemicals needed to treat this problem. This is the lowest dosage of product for the most results. No other product works with the same effectiveness of Termidor.

Was outside expertise utilized? No Yes / Lenz Pest Control

Describe future plans to prevent using the chemical again.

This product only needs to be used when ant populations have grown enough to constantly invade the structure from the outside. If problems are found early, Advion products usually work great. There is no known way to prevent ants colonies from forming on the property. Ants will return at some point but this chemical will provide control for the longest period by eliminating colonies. New colonies need to establish before problems will re-appear.

Signatures _____

Department IPM Coordinator

City IPM Coordinator