



SYDNEY
LIVING
MUSEUMS

PESTICIDE USE NOTIFICATION PLAN

January 2007
Updated December 2015

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1. INTRODUCTION

This pesticides notification plan has been prepared in accordance with the requirements of the Pesticide Regulations 2009 (The regulation).

Definition:

The accordance with the legal definition, 'Pesticide' includes all substances or mixtures used for destroying or preventing infestations of plants, destroying or preventing pests associated with plants, or destroying any other insect or animal pest including insecticides, fungicides, herbicides, baits, bactericides, genetically modified organisms, lures, repellents and rodenticides.

Pesticides used by SLM can be categorised into the following types:

- Spot herbicides are applied by portable hand sprays/wands or power operated units with hand guns for the control of weeds
- Spot insecticides applied as for herbicide
- Broadscale selective and non selective herbicides applied with 100 litre spray tank
- Broadscale insecticides applied with 100 litre spray tank
- Spot fungicide applied by hand sprays or wands for the control of fungus diseases in plants
- Bait termiticides – baits for the control of termites
- Bait rodenticides – baits for the control of rodents
- Bait ant/cockroaches – baits for insect control
- Baits (rabbit) – baits for the control of rabbits

The plan sets out how Sydney Living Museums (SLM) will notify members of the public of pesticides applications it makes or allows to be made to **OUTDOOR** public places that it owns or controls. The aim of this plan is to meet the community's right to know about pesticide applications made to **OUTDOOR** public places and allow members of the public to take action to avoid contact with pesticides, if they wish. SLM ensures that pesticides are applied to public places in a safe, responsible manner, minimizing harm to the community and/or the environment.

The plan outlines how SLM will notify members of the community of pesticide applications made to outdoor public places.

The plan describes:

- What public places are covered by the plan
- Who regularly uses these public places and an estimate of the level of use
- How and when the SLM will provide the community with information about its pesticide applications in public places (i.e. what notification arrangements will be used)
- How the community can access this plan and get more information about SLM's notification arrangements
- Contact details for anyone wanting more information on the Plan.

Under the Historic Houses Act 1980, SLM has a statutory responsibility to manage and conserve these historic sites as places of cultural significance. They include houses, major public buildings, a farm, gardens, parklands, a beach and designated urban spaces and other properties acquired under the terms of the Endangered Houses Fund. The following SLM properties are listed on the Register of the National Estate, State Heritage Register and various Local Environment Plans (LEP); these include:

- Elizabeth Bay House
- Elizabeth Farm
- Rouse Hill estate
- Meroogal
- The Mint
- Hyde Park Barracks Museum
- Susannah Place Museum
- Rose Seidler House
- The Museum of Sydney
- Justice and Police Museum
- Young Street Terraces
- Former Rouse Hill Public School

INFORMATION ABOUT THESE HISTORIC SITES CAN BE OBTAINED AT
www.sydneylivingmuseums.com.au

In managing these properties weed and pest control programs are a priority for SLM and pesticides are a key component of asset management, aiming to prevent damage to buildings and collection.

Throughout this plan references to 'SLM' should be taken to mean Sydney Living Museums carrying out functions on behalf of the Director of SLM and the Minister for Heritage.

The Plan forms a component of SLM's pest management policy. SLM has implemented Integrated Pest Management across its property portfolio (IPM). IPM focuses on preventive, proactive, and preferable non-chemical means of control. SLM pest management programs aim to apply best practice, humane and cost effective methods that will have minimal impact on the environment. Wherever possible an integrated approach is adopted which uses a range of techniques including physical and cultural controls. Physical control refers to the use of barriers to prevent insect movement. Cultural controls refer to the activities of museum staff to prevent pest activity e.g. removing rubbish, reducing or removing sources of moisture and food and/or repositioning external lighting. Biological control is used where effective agents are available, but in most cases bio-control must be supplemented with conventional control techniques including the use of pesticides.

The majority of pesticide use by SLM consists of applying herbicides for weed control and garden maintenance, primarily glyphosate (Roundup) insecticide baits to manage certain insect pests such as termites (Termidor) and the use of baits to control pest animals (Pindone, Coumatetryl, Bromadiolone and Brodifacoum) to control vertebrate pest animals. The frequency of programmed applications range from two to six times per year for buildings, four to six times per year for pathways and building surrounds and once per year for pastures. Bait insecticides and spray insecticides are used for termite, cockroach and ant control to protect structures and public safety wherever this is considered an effective solution. Other pesticides used include fungicides (Bactigas, Borocol) and rodenticides (Talon G and Racumin Paste) and sprays around buildings and outbuildings are required for cockroach and ant control (Cislin 10 and Biflex).

Pesticides are used in public places only when necessary for the health of the gardens/grounds and/or to protect public property from pest damage and to protect the users of public places from nuisance or danger. Applications are generally programmed as part of routine maintenance works, associated with new projects, or reactive to situations where new pest or weed infestations occur. For the main such applications are of a non-urgent nature and can be scheduled into existing work plans in keeping with available resources. However emergency situations present an immediate risk to public safety or damage (e.g. the presence of wasps) and require a rapid response for control. In such cases signs will be posted in the vicinity of the application and at the property entrances.

Further information on SLM's pesticide use can be obtained by visiting the Sydney Living Museums website www.sydneylivingmuseums.com.au

2. PUBLIC PLACES COVERED BY THIS PLAN

SLM applies or allows pesticides to be used in the following categories of outdoor places it owns or controls in New South Wales, to which the public are entitled to have access:

- Gravel roads, pathways and day use areas
- Turfed areas, lawns and paddocks
- Administrative sites and visitor information centres
- Bushland and road verges
- Bushland
- Public gardens
- Creek
- Farmyard
- Pastures
- Fence-lines
- Building exteriors
- Water-courses
- House museum grounds

The main user groups of, and types of pesticide use in each of the categories of public place are summarised in the following table. Also, see attached appendices for Vacluse House, Rouse Hill estate, Elizabeth Farm (main users of pesticides outdoors) and other SLM properties or visit the Sydney Living Museums website on www.sydneylivingmuseums.com.au.

Whilst the Pesticide Regulation only requires public authorities to notify of pesticide use in OUTDOOR public places, however in the interest of providing 'good public information' the SLM Plan also includes indoor pesticide at SLM properties.

Section 2 Public Places Covered by this Plan

Public places owned or managed by SLM	Regular user groups	Level of use of public place	Type of pesticide use
Gravel roads, paths, building surrounds and day use areas	Museum visitors, school groups, pedestrians, park users (dog-walkers, joggers, picnickers) and other recreational users, employees and contractors	High	Non-selective herbicides
Administration sites, Visitor Information Centres and exterior of buildings	Museum visitors, employees and contractors	Low to high	Non-selective herbicides Spray termiticides Bait termiticides Bait cockroaches
Turfed areas, lawns and paddocks	Museum visitors, pedestrians, park users (dog-walkers, joggers and picnickers) and other recreational users, employees and contractors	High	Selective herbicides Insecticides
Bushland	Bush regenerators employees, contractors	Low	Selective and non selective herbicides
Public Gardens Rouse Hill House Vacluse House Kitchen Garden Pleasure Garden Elizabeth Farm Kitchen Garden Pleasure Garden	Museum visitors general public, children and families, elderly people and social groups, garden clubs, wedding functions, film crews and private commercial hire etc.	High	Broad scale insecticides Spot Insecticide Spot fungicides
Fence-lines	Museum visitors, school groups, employees, contractors	Low	Non selective herbicides Spray termiticides Bait termiticides
Building exteriors	Museum visitors, school groups	Low	Non selective herbicides Spray termiticides Bait termiticides
Water-courses	Children playing on the banks	Very low	Spot herbicide
Road & bush verges Vacluse House Olola Ave footpath, bottom edge adjoins paddock/turfed area Reserves bordering Rouse Hill estate	Pedestrian, local residents and park users.	Medium to high	Selective herbicides Non selective herbicides

Section 2 Public Places Covered by this Plan *continued*

Public places owned or managed by SLM	Regular user groups	Level of use of public place	Type of pesticide use
House museums grounds Vaucluse House Elizabeth Bay House Elizabeth Farm Rouse Hill estate Meroogal The Mint Hyde Park Barracks Museum Rose Seidler House Meroogal	General public, museum visitors, social groups educational groups tourists, volunteers contractors and employees	Variable – Low to very high use ¹	Spot herbicides Spot insecticides Broad scale selective herbicides
Rouse Hill farmyard	Museum visitors school groups, contractors and employees	Medium	Selective and non selective herbicides Rodenticides Rabbit baiting
Rouse Hill cottage	Museum visitors school groups, contractors and employees	Low	Selective herbicides Non selective herbicides Spot insecticides Spot fungicides Spray termiticides Rodenticides Rabbit baiting
Rouse Hill pastures	General public, school groups, contractors and employees	Low	Selective herbicides Rabbit baiting

3 NOTIFICATION ARRANGEMENTS

This section of the Plan describes how and when SLM (either through its staff or its contractors) will provide notice of pesticide use in public places, arrangements for emergency pesticide applications and circumstances where notice will be given. These notification arrangements are based on SLM's assessment of:

- The level of use of the public place to be treated with pesticides
- Activities that could lead to direct contact with pesticides
- Type of pesticide used

Notice of pesticide use will be provided by the use of one or more of the following:

- Signage at the museum entrance points
- Signage at the in the vicinity of the pesticide application
- Information on the SLM website
- Information displayed at head office at The Mint during business hours
- Property specific information available at properties
- Newspaper notices
- Door-knock in any emergency situation or phone contact with immediate neighbours

SLM will allow persons and organisations to have their details placed on a register maintained at individual properties, which would allow them to be notified of certain types of pesticide uses in particular places, as described by this section of the plan.

¹ Use of SLM museum sites by the public varies from property to property. Visitation by school groups is generally medium to heavy mid-week. Senior and community group visitation is concentrated mid-week, whilst general public visits peak during weekends and over holiday periods.

SLM uses small quantities of commonly available pesticides for minor control of indoor and outdoor insect pests using baits or aerosol spray cans and spot weed control using wand or hand held spray bottle and low voltage Ute pack sprayer. As these pesticides are relatively low toxicity, low quantity and present minimal risk, SLM does not intend to provide notice for such pesticide applications other than what has been described in this plan.

The notification arrangement will apply to the following locations owned or controlled by SLM:

- Gravel roads, pathways and day use areas
- Turfed areas, lawns and paddocks
- Administrative sites and visitor information centres
- Bushland and road verges
- Bushland
- Public gardens
- Creek
- Farmyard
- Pastures
- Fence-lines
- House museum grounds
- Building exteriors
- Water-courses

a) How and when notice of pesticide use will be provided

At SLM historic properties, signage will be placed at the point of entry location and near the outdoor area to be treated (except for 3e). Additional information will be available at the general office and via the contact number on the sign.

For the following pesticides, signs will be displayed at the property's entrances and near the area to be treated at least one hour prior to application and remain for at least one day afterwards.

- Spot spraying of non-selective herbicides
- Spot sprayed insecticides
- Spot sprayed fungicides

For the following pesticides, signs will be displayed at the property's entrances and near the area to be treated at least one hour prior to application and remain for at least 14 days afterwards.

- Spray termiticides
- Bait termiticides (where part of an ongoing program, first use pesticide only)
- Bait rodenticides (where part of an ongoing program, first use pesticide only)
- Broadscale selective herbicides

For the following pesticides, signs will be displayed at the property's entrances and near the area to be treated at least one hour prior to application and remain for at least 14 days afterwards. In addition, immediate neighbours will be notified verbally.

- Rabbit bait

Where the pesticide label permit of Pesticide Control Order requires a longer period of signage, this will be followed. When foliage is sprayed, signs will remain at least until the pesticide has dried.

Situations where no notification will be given are described in 3e).

b) Special measures for sensitive places

Clause 18 of the Pesticides Regulation defines a 'sensitive place' to be any:

- school, pre-school, kindergarten or childcare centre
- hospital, community health centre or nursing home
- place declared to be a sensitive public place by the Environment Protection Authority by notice in the NSW Government Gazette

For pesticide use within 100m of sensitive places listed in cl.18 of the Pesticides Regulation (except for 3e), SLM will provide prior or concurrent notice to that sensitive place by phone, door knocking or letterbox drop or as determined by local arrangements made with the parties concerned.

c) Notification of emergency pesticide applications

In cases where emergency pesticide applications in public places are required to deal with biting or dangerous pests such as wasps, bees, venomous spiders, ants, fleas, bird mites or rodents (that present an immediate health hazard) SLM will where possible provide notice by posting signs nearby at the time of application, and at the property's entrances except in those situations outlined in 3e). Additional information shall be available at the relevant museum's general office and via the contact number on the sign.

d) Pesticide contractors

Wherever SLM uses contractors to apply pesticides on its behalf, the contractors will be required to erect signage and otherwise notify the public according to the notification requirements of this Plan. This arrangement will be confirmed by way of a written commitment acknowledging SLM's Pest Use Notification Plan and where possible included as a condition of their contract.

e) Instances where SLM or its contractors will NOT give notice of pesticide use

- SLM uses small quantities of some pesticides widely available in retail outlets, the use of glyphosate (Roundup) to control weeds/grass encroachments using hand held spray bottles (less than four litres capacity) and the minor control by spot application of chemical to insect pests using baits or aerosol spray cans are instances where **NO** notification will be given for the duration of the application.
- In remote areas not readily accessed by the public, either where there is no vehicular access and/or low public visitation
- Where a lease exists on SLM owned land or land under its control and care, SLM will not provide notification pesticide use but request the lessee to carry out notifications in a manner consistent with this Plan. Where possible, SLM will include this as a condition of the lease
- Notification will not be given where occupiers of properties adjacent to SLM properties use pesticides they own or control, even though it may affect SLM properties due to proximity of the pesticide application.

4 WHAT INFORMATION WILL BE PROVIDED?

In accordance with clause 20(1)(h) of the Pesticides Regulation, notice of pesticides uses will include the following information:

- the full product name of the pesticide to be used,
- the purpose of the use,
- the dates on which, or range of dates during which, the pesticide is to be used,
- the places where the pesticide is to be used,
- any warnings about limitations on the subsequent use of or entry onto the land if such warnings are specified on the approved label for the pesticide or in the permit for use of the pesticide,
- a contact telephone number or email address for the officer of the SLM officer whom the affected persons can contact to discuss the notice

5 PUBLIC EXHIBITION OF THE PLAN

SLM will place this updated draft on exhibition for a period of 4 weeks. The draft will be available for viewing at the following locations:

www.sydneylivingmuseums.com.au

Head Office reception, The Mint 10 Macquarie Street, Sydney

Written representations in response to the draft Plan can be made and sent to:

Nick Corbett
WHS Coordinator
Sydney Living Museums
The Mint
10 Macquarie Street,
Sydney NSW 2000

6 HOW THE COMMUNITY WILL BE INFORMED OF THIS PLAN?

SLM will advise the public of the finalised Plan by:

Making a copy of the Plan available for viewing, free of charge, at SLM's head office, The Mint, 10 Macquarie Street Sydney and all other SLM properties

Placing a copy of the Plan on the its website at www.sydneylivingmuseums.com.au

7 FUTURE REVIEWS OF THIS PLAN

The notification plan will be reviewed every five years or when circumstances require a review of the plan. The review will include:

- A report on progress of implementing the plan
- Public consultation on the notification methods outlined in the plan by exhibiting a plan with any proposed amendments and seeking public comment
- Recommendation for alterations (if applicable) to the plan

8 CONTACT DETAILS

Any general queries regarding this Plan may be directed to:

Nick Corbett

WHS Coordinator

Sydney Living Museums

The Mint

10 Macquarie Street,

Sydney NSW 2000

Any specific queries regarding pesticide applications should in the first instance be directed to the museum property concerned. Contact details may be found at www.sydneylivingmuseums.com.au

APPENDICES: Pesticide schedule of regular pesticide use at properties

APPENDIX 1	Pesticide schedule for Rouse Hill Estate/Visitors Centre
APPENDIX 2	Pesticide schedule for Vaucluse House
APPENDIX 3	Pesticide schedule for Elizabeth Farm
APPENDIX 4	Pesticide schedule for Elizabeth Bay House
APPENDIX 5	Pesticide schedule for Hyde Parks Barracks Museum
APPENDIX 6	Pesticide schedule for The Mint
APPENDIX 7	Pesticide schedule for Rose Seidler House
APPENDIX 8	Pesticide schedule for Meroogal
APPENDIX 9	Pesticide schedule for Justice & Police Museum
APPENDIX 10	Pesticide schedule for Museum of Sydney

THE FOLLOWING LISTS WERE CURRENT AT THE TIME OF PREPARING THE PLAN BUT MAY CHANGE OVER TIME, CONSISTENT WITH SLM'S INTEGRATED PEST MANAGEMENT PLAN

APPENDIX 1: ROUSE HILL ESTATE

(a): PESTICIDE USE

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method
Glyphosate (Roundup Biactive®)	H	Broad spectrum weed control	Weeds on pathways, building edges	Five times per year/ Spray gun
Glyphosate (Roundup 360®)		Control of woody weeds	Cut stump spraying with Pulse Penetrant	Annually/ Hand held spray bottle
Bromoxynal (Bromakil®, Banvil)	H	Broadleaf weed control	Fireweed in pastures	Annually/ Boom spray
MCPA (MCPA)	H	Broadleaf weed control	Fireweed in pastures	Annually/ Boom spray
Imidacloprid Confidor®	P	Control of sucking insects	<i>Monolepta</i> beetle in peppercorn trees	Annually/ Knapsack sprayer
Carbaryl (Vegetable/ cabbage dust)	P	Caterpillar	Caterpillar in <i>Clivea, Crinum</i>	Less than annually/ Direct from powder puffer container
Lime Sulpher	F	Control of some fungus ornamental plants	Black spot and anthracnose, roses	Twice annually/ Hand held spray pack
Pindone Rabbait®, Bunnybait®	P	Control of rabbits	Baiting of wild rabbits	Annually in timed program/ Carrot baits laid with bait layer or oat baits laid by hand.
Bromadiolone ®	P	Control of rats	Rats in poultry pens and hay storage using enclosed bait stations	Up to weekly depending on population. Usually infrequently – twice yearly
Brodifacoum ®	P	Control of rats	Rats around buildings using enclosed bait stations	Applied every two months, depending upon rodent activity
Termidor® (fipronil)	I	Termite control	Termites	Approx annually depending on activity
Biflex® (Bifenthrin)	I	Ant, termite and cockroach control	Applied to building perimeter and ant nests	Approx annually depending on activity
Sentricon® (hexaflumuron)	I	Termite control	Using Sentricon® bait stations	Less than annually
Boracol 200 (Boric acid)	I	Termite and borer control	Applied to affected timber	Less than annually
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity

APPENDIX 1: ROUSE HILL ESTATE

(a): PESTICIDE USE (continued)

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches, beetle) control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes moths and other museum pest control	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity

APPENDIX 1: ROUSE HILL VISITORS CENTRE

(b) PESTICIDE USE

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method
Brodifacoum®	P	Control of rats	Rats around buildings using enclosed bait stations	Applied every two months, depending upon rodent activity
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches, beetle) control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity

APPENDIX 1: ROUSE HILL VISITORS CENTRE

(b) PESTICIDE USE (continued)

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes moths and other museum pest control	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity

THE FOLLOWING LISTS WERE CURRENT AT THE TIME OF PREPARING THE PLAN BUT MAY CHANGE OVER TIME, CONSISTENT WITH SLM'S INTEGRATED PEST MANAGEMENT PLAN

**APPENDIX 2: VAUCLUSE HOUSE
PESTICIDE USE**

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method
Glyphosate (Roundup Bioactive)	H	Broad spectrum weed control Alstromeria, Nutgrass Occasional woody weeds	Paths, roads, building surrounds Creekline Bushland Bushland	Six to eight times per year/ Spray gun Four to five times per year/ Knapsack Four times per year/ knapsack (15L dilute concentrate), Cut and paint stump method
Starane (fluroxypyr) PS-5*	H	Broadleaf weeds (dicots) Wandering jew, onion weed	Bushland, verges	Weekly in summer, monthly in winter/ Knapsack
Fusilade (fluazifop) PS-6*	H	Selective for grass weeds	Interface of paddocks and bushland; also in bush and bush regeneration works	Monthly in summer, once in winter
White oil Unscheduled	I Non-toxic (acceptable in organic systems)	Broad spectrum for caterpillars, aphids, scale etc	Kitchen garden, Pleasure Garden	Twice monthly
Pyrethrum Unscheduled	I Non-toxic (acceptable in organic systems)	Broad spectrum for caterpillars, aphids, scale etc	Kitchen garden, Pleasure Garden	Twice monthly
Maveric (fluvalinate – synthetic pyrethrum) PS-5*	I	Caterpillars	Pleasure Garden. The Mint	One to two monthly in autumn
Bayleton (triaminefon) PS-5*	F		Kitchen garden	Rarely used

* Poison Schedule 5 – Low to Moderate ('Caution')

* Poison Schedule 6 – Moderate to high ('Poison')

APPENDIX 2: VAUCLUSE HOUSE
PESTICIDE USE (continued)

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method/
Confidor (imidacloprid) Unscheduled	I	Broad spectrum for caterpillars	Pleasure Garden, occasionally kitchen garden. The Mint, EBH	Spot sprayed/ knapsack
Merit (imidacloprid) PS-5*	I	Blackbeetle	Formal lawns	One to two yearly (15L per application)
Barmac Lawnweeder Plus PS-5*	H	Selective broadleaf	Turf and lawn areas	Every two to three months
Bindii Killer (MCPA)	H	Selective broadleaf	Turf and lawn areas	Every two to three months
Ant Killer (chloropyrophos) PS-5*	I	Jumping Ants	Bushland and paddocks	One to two monthly in summer
Derris Unscheduled	I	Caterpillars	Kitchen garden	One to two per year
Mancozeb PS-5*	F	Fungus	Kitchen garden	Rarely used
Dipel Unscheduled	I (biological)	Cat	Kitchen garden, Pleasure Garden	Annually
Lawn Grub and Beetle killer (chloropyrophos) PS-5*	I	Lawn grubs, beetles	Formal lawns	Two to three times per year in granular form
Surrender (benzalkonium chloride) PS-6*	H	Moss	The Mint on gravel paths and buildings	One to two yearly
Garlon (triclopyr) PS-6*	H	Woody weeds	Bushes	Very rarely used
Bugmaster (carbaryl) PS-6*	I	Caterpillars	Kitchen garden, Pleasure Garden	Very rarely used

* Poison Schedule 5 – Low to Moderate ('Caution')

* Poison Schedule 6 – Moderate to high ('Poison')

APPENDIX 2: VAUCLUSE HOUSE
PESTICIDE USE (continued)

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method
Lebaycid (fenthion) PS-6*	I	Fruit fly	Pleasure Garden	Very rarely used
Brodifacoum ®	P	Control of rats	Rats around buildings using enclosed bait stations	Applied every two months, depending upon rodent activity
Termidor® (fipronil)	I	Termite control	Termites	Approx annually depending on activity
Biflex® (Bifenthrin)	I	Ant, termite and cockroach control	Applied to building perimeter and ant nests	Approx annually depending on activity
Sentricon® (hexaflumuron)	I	Termite control	Using Sentricon® bait stations	Less than annually
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches beetle)	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes and moths	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity

* Poison Schedule 5 – Low to moderate ('Caution')

* Poison Schedule 6 – Moderate to high ('Poison')

THE FOLLOWING LISTS WERE CURRENT AT THE TIME OF PREPARING THE PLAN BUT MAY CHANGE OVER TIME, CONSISTENT WITH SLM'S INTEGRATED PEST MANAGEMENT PLAN

**APPENDIX 3: ELIZABETH FARM
PESTICIDE USE**

Chemical name (Trade Names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method
Glyphosate (Roundup Bioactive) ®	H	Broad spectrum weed control, Onionweed, Nutgrass, Paspalum Alstromeria, Broadleaf weeds	Paths, driveway, building surrounds, boundary edges, garden beds	Six to eight times per year during warmer months Spray gun – spot spraying
Starane (fluroxypyr) PS-5*	H	Broadleaf weeds, Onion- weed	Lawns	Two times a year/knapsack by VH staff
Fusilade (fluazifop) PS-6*	H	Selective for grass weeds	Vinca bed, under Kurrajong and elm	Once a year/knapsack by VH staff
Bindii Killer (MCPA)	H	Selective broadleaf	Lawn areas	Two times a year/knapsack by VH staff
Snail and Slug Killer (Metaldehyde)	P	Snail/slug	Garden beds, vegie patch	Six to eight times a year
Brodifacoum ®	P	Control of rats	Rats around buildings using enclosed bait station	Applied every two months, depending upon rodent activity
Termidor® (fipronil)	I	Termite control	Termites	Approx annually depending on activity
Biflex® (Bifenthrin)	I	Ant, termite and cockroach control	Applied to building perimeter and ant nests	Approx annually depending on activity
Sentricon® (hexaflumuron)	I	Termite control	Using Sentricon® bait stations	Less than annually
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches, beetle) control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity

* Poison Schedule 5 – Low to Moderate ('Caution')

* Poison Schedule 6 – Moderate to high ('Poison')

APPENDIX 3: ELIZABETH FARM
PESTICIDE USE (continued)

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method/
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes moths and other museum pest control	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity

* Poison Schedule 5 – Low to Moderate ('Caution')

* Poison Schedule 6 – Moderate to high ('Poison')

THE FOLLOWING LISTS WERE CURRENT AT THE TIME OF PREPARING THE PLAN BUT MAY CHANGE OVER TIME, CONSISTENT WITH SLM'S INTEGRATED PEST MANAGEMENT PLAN

**APPENDIX 4: ELIZABETH BAY HOUSE
PESTICIDE USE**

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method/
Brodifacoum®	P	Control of rats	Rats around buildings using encl. bait stations	Applied every two months, depending upon rodent activity
Boracol 200 (Boric acid)	I; F	Fungal and borer control	Applied to affected timber	Less than annually
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches, beetle) control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes moths and other museum pests	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity

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**APPENDIX 5: HYDE PARK BARRACKS MUSEUM
PESTICIDE USE**

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method/
Brodifacoum®	P	Control of rats	Rats around buildings using enclosed bait stations	Applied every two months, depending upon rodent activity
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity.
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches, beetle) control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes moths and other museum pest control	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity

THE FOLLOWING LISTS WERE CURRENT AT THE TIME OF PREPARING THE PLAN BUT MAY CHANGE OVER TIME, CONSISTENT WITH SLM'S INTEGRATED PEST MANAGEMENT PLAN

**APPENDIX 6: THE MINT
PESTICIDE USE**

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method/
Brodifacoum®	P	Control of rats	Rats around buildings using enclosed bait stations.	Applied every two months, depending upon rodent activity
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches, beetle) control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes moths and other museum pest control	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity

THE FOLLOWING LISTS WERE CURRENT AT THE TIME OF PREPARING THE PLAN BUT MAY CHANGE OVER TIME, CONSISTENT WITH SLM'S INTEGRATED PEST MANAGEMENT PLAN

**APPENDIX 7: ROSE SEIDLER HOUSE
PESTICIDE USE**

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method/
Brodifacoum®	P	Control of rats	Rats around buildings using enclosed bait stations	Applied every two months, depending upon rodent activity
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches, beetle) control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes moths and other museum pest control	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity

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**APPENDIX 8: MEROOGAL
PESTICIDE USE**

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method/
Brodifacoum®	P	Control of rats	Rats around buildings using enclosed bait stations.	Applied every two months, depending upon rodent activity
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches, beetle) control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes moths and other museum pest control	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity

THE FOLLOWING LISTS WERE CURRENT AT THE TIME OF PREPARING THE PLAN BUT MAY CHANGE OVER TIME, CONSISTENT WITH SLM'S INTEGRATED PEST MANAGEMENT PLAN

**APPENDIX 9: JUSTICE & POLICE MUSEUM
PESTICIDE USE**

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method/
Brodifacoum®	P	Control of rats	Rats around buildings using encl. bait stations.	Applied every two months, depending upon rodent activity
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches, beetle) control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes moths and other museum pest control	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity

THE FOLLOWING LISTS WERE CURRENT AT THE TIME OF PREPARING THE PLAN BUT MAY CHANGE OVER TIME, CONSISTENT WITH SLM'S INTEGRATED PEST MANAGEMENT PLAN

**APPENDIX 10: MUSEUM OF SYDNEY
PESTICIDE USE**

Chemical Name (Trade names)	Chemical: H: Herbicide P: Pesticide F: Fungicide I: Insecticide	Use	Situation	Frequency (approx)/ application method/
Brodifacoum®	P	Control of rats	Rats around buildings using enclosed bait stations	Applied every two months, depending upon rodent activity
Coopex Insecticidal Dust (Permethrin)	I	Cockroach, silverfish, ant and hide beetle control	Applied to cracks, crevices and voids	Approx annually depending on activity
Pestigas (Pyrethrum)	I	Flying insect (e.g. moths) and crawling insect (e.g. cockroaches, beetle) control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Bactigas (Tea Tree Oil)	F	Mould control	Applied as a mist in enclosed rooms or storerooms	Approx annually depending on activity
Delta Force Insecticide (Deltamethrin)	I	Cockroach, silverfish, ant, spiders, carpet beetles, clothes moths and other museum pest control	Applied directly to nests (ants), webbing (spiders), and to wall edges, cracks and crevices	Approx annually depending on activity
Scuttle Cockroach Gel (Hydramethylon)	I	Cockroach control	Applied to kitchen cupboards, electrical appliances, or other cockroach harbourage sites	Twice annually depending on activity
Drax Ant Kill Gel (Boric acid)	I	Ant control	Applied to ant trails	Twice annually depending on activity
Brigade Granular Insecticide (Bifenthrin)	I	Ant control	Applied around buildings	Twice annually depending on activity