

Freedom of Information Requests 11 Melbourne Local Councils

October 2009 - March 2010

Friends of the Earth Melbourne - September 2013

In October 2009, Anthony Amis from Friends of the Earth Melbourne sent eleven Freedom of Information (Fol) applications to eleven local government authorities in the Melbourne region, asking for information relating to: *"The use of pesticides in the Municipality by City Councils from 1 January 2005 to October 2009 including rates of use"*. After initially assessing the information, a summary of the data was published in an article in the Friends of the Earth Newsletter Autumn 2010. Due to the amount of information contained in the Fol applications a more detailed assessment of the information contained, was not conducted until August 2013, after prompting from interested parties. The results of this assessment have been tabulated in this report. The assessment was conducted as a voluntary exercise as there is no current funding for a pesticide campaign within Friends of the Earth and this has been the case since 2010.

The initial Fol request was undertaken because Friends of the Earth was concerned about the use of triazine herbicides such as Simazine in high risk areas including swimming pools. Simazine is used as an algaecide in some swimming pools. Only Whitehorse Council confirmed the use of Simazine in one of their swimming pool complexes. An article regarding this matter was published in the Whitehorse Leader on May 5 2010 *"Box Hill pool herbicide shock"*. *"Whitehorse human services general manager Terry Wilkinson said use if the product was stopped in October because it was not needed"*. This article followed up on an Age article published January 11 2009 *"Common Pool Cleaners 'a risk to kids"*. The information was also used to pressure the Federal pesticide regulator, the APVMA to conduct a review on the use of Simazine. A scoping document for comment was supposed to be produced by the APVMA in 2013.

The Fol information was also useful in determining the wide range of pesticides used by local government authorities. Of particular concern is the amount of Glyphosate sprayed on roadsides to contain weed growth. Information supplied by Monash City Council revealed that every street in the City is sprayed by a spray rig to control weeds. Roundup and other herbicides used to spray roads can be washed into stormwater drains and into local waterways. Vicroads also have extensive spraying regimes also documented by FoE. [baddevelopers.nfshost.com/Docs/Vicroads.htm]

Also of concern is the use of a range of pesticides by local councils in terms of horticultural land uses such as golf courses . Two recently banned herbicides Endosulfan and Quintozene have been used on golf courses within the Shire of Monash. Quintozene has been suspended by the APVMA due to excessively high dioxin levels. Dioxins can be created in a range of pesticides during the manufacturing process.

A 4 Corners show broadcast on July 22 2013, revealed continuing health issues relating to past use of 2,4,5-T and continuing use of 2,4-D. According to foE's assessment, five of the eleven local councils surveyed use 2,4-D. The number of chlorinated pesticides where dioxins could be present are also used by a variety of local councils. Neonicotinoid insecticides, currently associated with bee deaths across the world, are also used by most local government agencies.

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Pesticides Used By Eleven Councils in Melbourne Region – Based on Freedom of Information Requests

Purple shading represents banned or suspended pesticides

Gold shading represents Neonicotinoids

	Bayside	Boroondora	Brimbank	Darebin	Hume	Glen Eira	Monash	Moreland	Whitehorse	Yarra	Yarra Ranges
3 Sixty 5							✓		✓	✓	
Acelepryn		✓									
Algaefix						✓					
Alliete							✓				
Amicide 500								✓			
Associate					✓						
Banol										✓	✓
Banvel M							✓				
Basta		✓									
Basta Finale										✓	
Baycor						✓	✓		✓		
Bayfidian							✓		✓		
Bendiocarb				✓							
Bifenthrin											✓
Blattenax				✓							
Boost			✓								
Brigade		✓									
Bromicide 200						✓					
Bronco						✓					
Brushoff			✓	✓	✓			✓			
BS1000					✓						
Carbaryl	✓										
Chipco Spin							✓				
Chloroturf							✓				
Chlorpyrifos							✓		✓		
Chlorpyrifos 500EC							✓				
Cislin											✓
Clearup Bio						✓			✓		
Coliseum		✓									
Companion						✓					
Companion Essential						✓					
Confidor		✓					✓		✓		✓
Confidor 200SC								✓			
Coopex				✓				✓			✓
Cultar								✓			
Daconate		✓					✓				✓
Deltamethrin				✓							

Destiny				✓								
Diazinon							✓					
Diclofop-Methyl												✓
Dimension		✓										
Dimethoate		✓					✓					
Dispatch						✓						
Ditrac												✓
Drax				✓								
Drive		✓										
DSMA								✓		✓		
DSMA Clear						✓						
Endosulfan							✓					
Entrust		✓										
Esteem			✓	✓	✓			✓				
Ficam				✓								
Ficam D								✓				
Firefighter							✓					
Fongarid							✓					
Fusilade			✓	✓	✓							
Garlon		✓	✓	✓	✓		✓					✓
Garlon 600					✓			✓				
Grazon Extra					✓							
Hammer		✓										
Heritage										✓		
Heritage Maxx							✓				✓	✓
Hortico Woody Weed Killer		✓										
Howzat							✓	✓				
Imidacloprid											✓	✓
Injectaforce							✓					
Ippon 500								✓				
Kamba					✓							
Kamba M		✓	✓	✓	✓	✓	✓	✓				
Kelpak		✓										
Kerb								✓				
Lontrel			✓		✓							✓
Mallet							✓					
Maxforce				✓								
Maximiser Penetrator							✓					
MCPA 500			✓		✓							✓
Meridian		✓					✓	✓				
Merit				✓		✓	✓	✓	✓			
Merit Chipco										✓		
Methar Tri Kombi						✓	✓	✓				

Millenium		✓									✓
Monument		✓		✓			✓	✓	✓	✓	✓
Monument DG									✓		
MSMA											✓
Nugrass		✓									✓
Orthene							✓				
Passtox							✓	✓			
Penncozeb							✓				
Penniside							✓				
Pinnacle							✓				
Piperonyl Butoxide				✓	✓						
Poachek									✓		
Polystarter		✓									
Primo Maxx									✓		
Protak							✓				
Pulse					✓						
Pyrethrum					✓						
Rhysol DG							✓		✓		
Rifle 330						✓	✓				
Ronstar		✓		✓			✓				
Roundup		✓		✓	✓	✓		✓	✓	✓	✓
Roundup Biactive			✓	✓	✓		✓	✓		✓	
Roundup Max			✓								
Roundup Power Max					✓						✓
Rovral							✓		✓		
Rovral GT							✓		✓		✓
Senteninal							✓				
Signature							✓		✓	✓	
Simazine			✓				✓	✓	✓		
Simazine Flowable								✓			
Simazine 900								✓			
Spearhead		✓		✓		✓	✓		✓		
Spin							✓				
Stamina Express		✓									
Starane		✓			✓						
Starane 200				✓							
Strike Out						✓					
Strikeout EC									✓		
Surrender							✓		✓		
Talstar											✓
Taskforce			✓								
Tecto						✓					

Thiram							✓				
Thistle Killem					✓						
Thumper											✓
Tordon					✓						
Tordon 75D								✓			
Tridim							✓				
Tupersan							✓				
Vigilant					✓						
Vital Plus	✓										
Vorlon							✓				
Weedmaster	✓										

Full list of Pesticides listed in Freedom of Information request, from local Councils.

Some Councils listed pesticides by brand name, others by active ingredient only. Some pesticides were misspelt on a number of worksheets supplied under the FoI, making exact determination of active ingredient difficult.

From the FoI requests it was determined that 132 pesticides (insecticides, fungicides, herbicides, miticides) were used by the eleven local government agencies. Also included in the FoI's were some fertilisers, surfactants, plant and root stimulants and soil penetrants. Because of the discrepancy between the brand name and active ingredient list, it was decided to add another table listing active ingredients used by local governments. It should also be pointed out that some council's supplied information going back in years, whereas most councils only supplied information for the most recent years. As a result some pesticides which have since been banned by Government regulators showed up under the FoI – most notably Endosulfan (cancelled by APVMA October 2010) and Quintozene (suspended by APVMA April 2010).

The following list shows the name of the pesticide/brand name/active ingredient as supplied by the FoI (in bold), with the active ingredient as described in specific pesticide labels. This is then followed by a table specifying which active ingredients are used by which specific council. If when working through this document you see a pesticide brand name that you are unsure about what the active ingredient is, come back to this list.

1. **Acelepryn:** Insecticide Chlorantranilprole 18.4%
2. **Algaefix:** Algaecide dimethyliminoethylene dichloride, ethoxylate 4.5%
3. **Alliete:** Fungicide Fosetyl Ammonium 80%
4. **Amicide 500:** Herbicide 2,4-D (present as the dimethylamine salt) 500G/L to 100% Water
5. **Associate:** Herbicide Metsulfuron Methyl 600g/kg
6. **Banol:** Fungicide Propamocarb hydrochloride 66.5%
7. **Banvel M:** Herbicide MCPA (present as the dimethylamine salt) 340g/L, Dicamba (present as dimethylamine salt) 80g/L
8. **Basta:** Herbicide Glufosinate Ammonium 18.02%
9. **Basta Finale:** Herbicide Glufosinate Ammonium 200g/L
10. **Baycor:** Fungicide Bitertanol 300g/L
11. **Bayfidian:** Fungicide Triadimenol 250g/L
12. **Bendiocarb:** Insecticide
13. **Bifenthrin:** Insecticide
14. **Blattenax:** Insecticide Propoxur 20g/kg, tetramethrin 2g/kg, Piperonyl Butoxide 10g/kg
15. **Boost:** Fertiliser
16. **Brigade:** Insecticide Bifenthrin 100g/L
17. **Bromicide 200:** Herbicide Bromoxynil 200g/L
18. **Bronco:** Herbicide Alachlor
19. **Brushhoff:** Herbicide Metsulfuron Methyl 40g/kg
20. **BS1000:** Surfactant Alcohol Alkoxylate 1000g/L
21. **Carbaryl:** Insecticide 500g/L
22. **Chipco Spin:** ? Fungicide Fosetyl-Aluminium

23. **Chloroturf:** Fungicide Quintozene 750g/kg
24. **Chlorpyrifos:** Insecticide Chlorpyrifos 500g/L
25. **Chlorpyrifos 500EC:** Insecticide Chlorpyrifos 500g/L
26. **Cislin:** Insecticide Deltamethrin 10g/L
27. **Clear Up Bio:** Herbicide Glyphosate present as the isopropylamine salt 360g/L
28. **Coliseum:** Herbicide Rimsulfuron 250g/kg
29. **Companion:** Surfactant Soyal Phospholipids 345g/L, Propionic Acid 355g/L
30. **Companion Essential:** Natural Plant and Root Stimulant
31. **Confidor and Confidor 200SC:** Insecticide Imidacloprid 200g/L (Neonicotinoid)
32. **Coopex:** Insecticide Permethrin 1.06%, Talc 0.88%
33. **Cultar:** Plant Growth Regulator Paclobutrazol 22.9%
34. **Daconate:** Herbicide MSMA 800g/L
35. **Deltramethrin:** Insecticide
36. **Destiny:** Herbicide Iodosulfuron-methyl-sodium 100g/kg
37. **Diazinon:** Insecticide Diazinon 800g/L
38. **Diclofop-Methyl:** Herbicide Diclofop-Methyl 375g/L
39. **Dimension:** Herbicide Dithiopyr 12.7%
40. **Dimethoate:** Herbicide Dimethoate 400g/L
41. **Dispatch:** Soil Penetrant
42. **Ditrac:** Rat and Mice Killer. Diphacinone 0.005%
43. **Drax:** Ant Killer
44. **Drive:** Herbicide Quinclorac 750g/L
45. **DSMA:** Herbicide (Disodium Methanearsonate) 21.8%
46. **DSMA Clear:** Herbicide DSMA 220g/L
47. **Endosulfan:** Insecticide Endosulfan 350g/L
48. **Entrust:** Insecticide Spinosad 800g/kg
49. **Esteem:** Insect Growth Regulator Pyriproxyfen 35%
50. **Ficam:** Insecticide Bendiocarb 800g/kg
51. **Ficam D:** Insecticide Bendiocarb 10g/kg
52. **Firefighter:** Herbicide Bromoxynil 200g/L
53. **Fongarid:** Fungicide Furalaxyl 250g/kg
54. **Fusilade:** Herbicide Fluazifop-P 128g/L
55. **Garlon:** Herbicide Triclopyr 600g/L?
56. **Garlon 600:** Herbicide Triclopyr 600g/L
57. **Grazon Extra:** Herbicide Triclopyr 300g/L, Picloram 100g/L, Aminopyralid 8g/L
58. **Hammer :** Herbicide Carfentrazone-Ethyl 240g/L
59. **Heritage:** Fungicide Azoxystrobin 50%
60. **Heritage Maxx:** Fungicide Azoxystrobin 95g/L
61. **Hortico Woody Weed Killer:** Herbicide Glyphosate 360g/L?
62. **Howzat:** Fungicide Carbendazim 500g/L
63. **Imidacloprid:** Insecticide Imidacloprid 200g/L? (Neonicotinoid)
64. **Injectaforce:** Wetting Agent/Soil Penetrant
65. **Ippon 500:** Fungicide Iprodione 500g/L
66. **Kamba:** Herbicide Dicamba 500g/L
67. **Kamba M:** Herbicide MCPA 340g/L, Dicamba 80g/L

68. **Kelpak:** Derived from seaweed (Ecklonia Maxima) Auxins 11mg/L, Cytokinins 0.031mg/L
69. **Kerb:** Herbicide Propyzamide 500g/L
70. **Lontrel:** Herbicide Clopyralid 300g/L
71. **Mallet:** Insecticide Imidacloprid 200g/L (Neonicotinoid)
72. **Maxforce:** Granular Insect Bait HydramethylNon 10g/kg
73. **Maximiser Penetrator:** Surfactant Vegetable Oil 1000g/L
74. **MCPA 500:** Herbicide MCPA 500g/L
75. **Meridian:** Insecticide Thiamethoxam 250g/kg (Neonicotinoid)
76. **Merit:** Insecticide Imidacloprid 200g/L (Neonicotinoid)
77. **Merit Chipco:** Fungicide Fosetyl 800g/kg
78. **Methar Tri Kombi:** Mecoprop 336g/L, 2,4-D 80g/L, Dicamba 40g/L
79. **Millenium:** Herbicide 2,4-D 36%, Clopyralid 4.5%, Dicamba 4.7%
80. **Monument:** Herbicide Trifloxysulfuron 100g/L
81. **Monument DG:** Herbicide Trifloxysulfuron ?
82. **MSMA:** Herbicide MSMA 720g/L
83. **Nugrass:** Herbicide Diclofop-Methyl 375g/L
84. **Orthene:** Insecticide Acephate 75%
85. **Passtox:** Herbicide DSMA 526g/L
86. **Penncozeb 420C:** Fungicide Mancozeb 420g/L
87. **Penniside:** Insecticide Microencapsulated Diazinon 240g/L
88. **Pinnacle:** Herbicide Thifensulfuron methyl 75%
89. **Piperonyl Butoxide:** Insecticide Synergist
90. **Poachek:** Herbicide Endothal 175g/L
91. **Poly Starter:** Fertiliser
92. **Primo Maxx:** Turf Growth Regulator Trinexapac-Ethyl 120g/L
93. **Protak:** Fungicide Prochloraz 450g/L
94. **Pulse:** Penetrant Polyether Modified Polysiloxane 1020g/L
95. **Pyrethrum:** Insecticide Pyrethrum 1.3%, Piperonyl Butoxide 5.2%
96. **Rhysol DG:** Fungicide Quintozene 387g/kg, Thiram 387g/kg
97. **Rifle 330:** Herbicide Pendimethalin 330g/L
98. **Ronstar:** Herbicide Oxadiazon 20g/kg
99. **Roundup:** Herbicide Glyphosate 41%
100. **Roundup Biactive:** Herbicide Glyphosate 360g/L
101. **Roundup Max:** Herbicide Glyphosate 49%
102. **Roundup Power Max:** Herbicide Glyphosate 540g/L
103. **Rovral:** Fungicide Iprodione 41.6%
104. **Rovral GT:** Fungicide Iprodione 250g/L
105. **Sentenial:** Insecticide Bifenthrin 2g/kg
106. **Signature:** Fungicide Fosetyl 800g/kg
107. **Simazine:** Herbicide Simazine 42.1%
108. **Simazine Flowable:** Herbicide Simazine 500g/kg
109. **Simazine 900:** Herbicide Simazine 900g/kg
110. **Spearhead:** Herbicide Clopyralid 20g/L, Diflufenican 15g/L, MCPA 300g/L
111. **Spin:** Fungicide Carbendazim 500g/L
112. **Stamina Express:** Soil Wetting Agent Propylene oxide-ethylene oxide block 20%

- 113. **Starane:** Herbicide Fluroxypyr-Mepthyl 333g/L
- 114. **Starane 200:** Herbicide Fluroxypyr 200g/L
- 115. **Strike Out:** Insecticide Chlorpyrifos 500g/L
- 116. **Strikeout EC:** Insecticide Chlorpyrifos 500g/L
- 117. **Surrender:** Insecticide/Ant Killer Acephate 75%
- 118. **Talstar:** Insecticide Bifenthrin
- 119. **Taskforce:** Herbicide Flupropanate 745g/L
- 120. **Tecto:** Fungicide Thiabendazole 50%
- 121. **Thiram:** Fungicide Thiram 600g/L
- 122. **Thistle Killem:** Herbicide MCPA 750g/L
- 123. **3 Sixty 5:** Fungicide Iprodione 365g/L
- 124. **Thumper:** Miticide & Nematicide Abamectin 20g/L
- 125. **Tordon:** Herbicide Picloram 20g/L (granuals)
- 126. **Tordon 75D:** Herbicide 2,4-D 300g/L, Picloram 75g/L
- 127. **Tridim 250:** Fungicide Triadimenol 250g/L
- 128. **Tupersan:** Herbicide Siduron 500g/kg
- 129. **Vigilant:** Herbicide Picloram 43g/kg
- 130. **Vital Plus:** Fungicide Potassium Phosphite 54.5%
- 131. **Vorlon:** Fungicide Thiabendazole 500g/L
- 132. **Weedmaster Duo:** Herbicide Glyphosate 360g/L

Pesticide Active Ingredients Used by Eleven Local Melbourne Councils

Grey shading represents potential dioxide contamination

	Bayside	Boroondora	Brimbank	Darebin	Hume	Glen Eira	Monash	Moreland	Whitehorse	Yarra	Yarra Ranges
Abamectin											✓
Acephate							✓		✓		
Alachlor						✓					
Aminopyralid					✓						
Azoxystrobin							✓		✓	✓	✓
Bendiocarb				✓				✓			
Bifenthrin		✓					✓				✓
Bitertanol						✓	✓		✓		
Bromoxynil						✓					
Carbaryl	✓										
Carbendazim						✓	✓				
Carfentrazone Ethyl		✓									
Chlorantraniprole		✓									
Chlorpyrifos						✓	✓		✓		
Clopyralid		✓	✓	✓	✓	✓	✓		✓		✓
Deltamethrin				✓							✓
Diazinon							✓				
Dicamba		✓	✓	✓	✓	✓	✓	✓			✓
Diclofop Methyl		✓									✓
Diflufenican		✓		✓		✓	✓		✓		
Dimethoate		✓					✓				
Dimethylamino ethylene dichloride						✓					
Diphacinone											✓
Dithiopyr		✓									
DSMA						✓	✓	✓	✓		
Endosulfan							✓				
Endothal								✓			
Fluazifop			✓	✓	✓						
Flupropanate			✓								
Fluroxypyr Mepthyl		✓		✓	✓						
Fosteyl Aluminium							✓		✓	✓	
Furalaxyl							✓				
Glufosinate Ammonium		✓								✓	
Glyphosate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hydramethylnon				✓							
Imidacloprid				✓		✓	✓	✓	✓	✓	✓
Iodosulfuron Methyl				✓							

Sodium												
Iprodione							✓		✓	✓		
Mancozeb							✓					
MCPA		✓	✓	✓	✓	✓	✓	✓	✓			✓
Mecoprop							✓	✓	✓			
Metsulfuron Methyl			✓	✓	✓			✓				
MSMA		✓					✓					✓
Oxadiazon		✓		✓			✓					
Paclobutrazol								✓				
Pendimethalin							✓	✓				
Permethrin				✓				✓				✓
Picloram					✓			✓				
Piperonyl Butoxide				✓	✓							
Potassium Phosphite	✓											
Prochloraz								✓				
Propamocarb										✓	✓	
Propoxur				✓								
Propyzamide								✓				
Pyrethrum					✓							
Pyriproxyfen			✓	✓	✓			✓				
Quinclorac		✓										
Quintozene								✓		✓		
Rimsulfuron		✓										
Siduron								✓				
Simazine			✓					✓	✓	✓		
Spinosad		✓										
Tetramethrin				✓								
Thiabendazole							✓	✓				
Thiamethoxam		✓						✓	✓			
Thifensulfuron Methyl								✓				
Thiram								✓		✓		
Triadimenol								✓		✓		
Triclopyr		✓	✓	✓	✓			✓	✓			✓
Trifloxysulfuron		✓		✓				✓	✓	✓	✓	✓
Trinexapac-Ethyl									✓			
2,4-D		✓					✓	✓	✓			✓

Bayside City Council (Council “apparently” does not use algaecides or fungicides)

Use rates and locations not specified

Insecticides: Yates White Oil, Yates Carbaryl Caterpillar and Grasshopper Insect Spray, Vitall Plus

Bleach: White King

Herbicides: Weedmaster Duo

Boroondara City Council

1) Contract No 05/033 Weed Control Services

This contract applies to the cleansing of roads, drains, and walkways etc as detailed in Section 3.1. The contract specifies the type of chemical to be used (Section 5.3.1.2) but I am informed by our Infrastructure Services Team that they do not have, or require, details of the quantities used...

Weed Control Services Contract No. 05/033

General. The Services to be provided under this contract ... shall include but not be limited to:

- Cleansing of the Right-Of-Ways, Open Drains, Walkways and Council's Riversdale Depot;
- Removal of weed growth from designated Shopping Centres;
- Application of herbicide in Right-of-Ways, Open Drains, Walkways, Shopping Centres and Council's Riversdale Depot;
- Application of herbicide along kerbs, channels, gutters, carparks and Traffic Treatments; and
- Application of herbicide around street furniture, sign poles, electricity poles, street trees, telephone boxes and other fixtures where they are located within an asphalt or concrete footpath...

5.3.1.2 ... The herbicide to be applied evenly shall be a glyphosate based herbicide at a concentration of one percent (1%) by volume (Roundup or similar approved or as otherwise specified by the Supervisor.)

2) Spreadsheet – "Parks and Gardens use of Herbicides"

... Information is included regarding the types of chemicals used by contracted service providers, however as in the case of the Infrastructure Services Team, I understand the Parks and Gardens Team do not have, or require, details of the quantities used.

Boroondara Council Parks and Gardens – Use Of Herbicides				
Open Space Area	Number of Sites	Open Space Chemicals Used	Annual Use	Purpose
General Parkland	222	Round-up Biactive	250 Litres	General Weed Spraying
Heritage Gardens	22	Kiwi Highlight Blue	38 Litres	Spray Highlighter
Playgrounds	105	Kamba M	5 Litres	Capeweed Spraying
Environmental Sites	46	Starane	5 Litres	Selective Herbicide
Traffic Management Devices	261	Hammer Herbicide	1 Litre	Broadleaf Herbicide
Shopping Centres	29	Garlon	5 Litres	Blackberry Spray
Car Parks	56	Nature Zone	100 Litres	Contact Herbicide (Organic for Playgrounds)
Sportsgrounds		Sportsground Chemicals Used		
Sportsground Sites	42	Coliseum Millenium		Herbicide (Selective cool season grass removal)
		Kelpak Polyphos		Selective Herbicide
		Poly Starter		Fertiliser
		Ronstar & Starter		Fertiliser and pre emergent herbicide
		Acelepym		Insecticide
		Stamina 90		Wetting Agent
		Meridian		Insecticide
		Stamina Express		Wetting Agent
		Dimension Express		Pre emergent weedicide
		Daconate		Selective Herbicide
		Nugrass		Selective Herbicide
		Monument		Herbicide

				(Selective cool season grass-removal)
		Spearhead		Selective Herbicide
		Dimethoate		Insecticide (miticide)
		Brigade		Insecticide (miticide)
		Round-up 360		General Weed control
		Drive		Selective herbicide
Arbor		Arbor Chemicals Used		
Street Trees	70,000	Confidor and Entrust	Purchased by Contractors	Elm Leaf Beetle control
Park Trees	52,000	Basta	Purchased by Contractors	Controls woody weeds
Elm Trees	1,200	Hortico Woody Weed Killer	Purchased by Contractors	Controls woody weeds
			Purchased by Contractors	General Weed Spraying

3) Report by BLM, Horticultural Services and Weed Control

This document is a detailed report on the sportsground usage of chemicals. I am advised the use of chemicals has increased in recent times, as a consequence of the warm season grass conversion program.

4) Ashburton Pool and Recreation Centre Chemicals Register

... I have been advised that they have used products such as Roundup, Lawn Food and Lawn Seed ... in areas surrounding the pool.

City of Boroondara Ovals – Spraying September 2008 – December 2009

Date	Service	Chemical Used
25/9/08	Boom Spraying	Coliseum 100g ha/Millennium 4.5L ha
	Victoria Park North Victoria Park South Deepdene Balwyn Park Greythorn Park Gordon Barnard Reserve Lynden Park West	(Coliseum = Rimsulfuron, Millennium = 2,4-D, Clopralid, Dicamba)
30/9/08	Boom Spraying	Coliseum 100g ha/Millennium 4.5L ha
	St James Park Victoria Road Reserve Lynden Park West Hartwell Sportsground Cambellwell Sportsground Burwood Reserve	
30/9/08	Boom Spraying	Kelpak 5L/ha/Polyphos 20L ha (Fertilisers)
	Greythorn Park Gordon Barnard Reserve Balwyn Park Deepdene Victoria Park South Victoria Park North	
1/10/08	Boom Spraying	Kelpak 5L/ha/Polyphos 20L ha (Fertilisers)
	Macleay Park (DS Bull Oval) Ferndale Park Eric Raven Reserve Ashburton Park	
9/10/08	Boom Spraying	Kelpak 5L/ha/Polyphos 20L ha (Fertilisers)
	Dorothy Laver Reserve Hays Paddock south	
9/10/08		Kelpak 5L/ha/Polyphos 20L ha (Fertilisers)
	Burwood Reserve Hartwell Sportsground Lynden Park West Cambellwell Sportsground St James Park Victoria Road Reserve Rathmines Reserve	
19/9/08	Fertiliser Applications	Poly Starter
	Dorothy Laver Reserve	

	Ferndale Park Eric Raven Reserve	
5/11/08	Boom Spraying	Acelepym 1.5L ha/Stamina 90 50 Litres ha
	Gordon Reserve Lynden Park West Campbellwell Sportsground Rathmines Reserve	
6/11/08		Meridian 1.2kg ha/Stamina 90 50 Litres ha
	Hartwell Sportsground Deepdene Park Greythorn Park Balwyn Park Victoria Park North Victoria Park South Burwood Reserve	
6/11/08		Meridian 1.2kg ha/Stamina Express 5 Litres ha
	Ashburton Park Dorothy Laver Reserve Eric Raven Reserve Ferndale Park Highfield Park North Canterbury Oval	
7/11/08		Meridian 1.2kg ha/Stamina Express 5 Litres ha
	Myrtle Park East Macleay Park (DS Bull Oval) Hays Paddock South	
12/11/08		Millenium 2L ha/Coliseum 100g Ha
	Ashburton Park 1.4ha Ferndale Park 1.15 ha Dorothy Laver Reserve 2.2ha Eric Raven Reserve 1.2ha Macleay Park (DS Bull Oval) 1.66ha	
12/11/08		Dimension 1.35L ha/Express 2 L ha
	Victoria Park 1.42ha Balwyn Park 1.27ha Greythorn Park 1.14ha	
19/11/08	Cambellwell Sportsground	Dimension 1.35L ha/Express 5 L ha
26/11/08		Millenium 2L ha
	Ashburton Park 1.43 ha Dorothy Laver West 2.2ha Eric Raven Reserve 1.2ha Ferndale Park 1.15ha Macleay Park DS Bull 1.7ha	
5/12/08		Daconate 3 L ha/Nugrass 1 L ha
	Ashburton Park 1.43ha Dorothy Laver Reserve 2.2ha	

8/12/08		Daconate 3 L ha/Nugrass 1 L ha
	Eric Raven Reserve 1.2ha Ferndale Park 1.15ha Macleay Park DS Bull 1.7ha Hays Paddock south 1.5ha	
8/12/08		Monument 40g/ha
	Greythorn Reserve 1.14ha @35h ha Balwyn Park 1.27ha Cambellwell Sportsground 1.45ha	
17/12/08		Daconate 3 L ha/Nugrass 1 L ha
	Ashburton Park 1.43ha Dorothy Laver West 2.2ha Eric Raven Reserve 1.2ha Ferndale Park 1.15ha Macleay Park DS Bull 1.7ha Hays Paddock south 1.5ha	
17/12/08	Myrtle Park East 1.49ha	Spearhead 5 L ha
17/12/08	Victoria Park North 1.42ha	Monument 40g Ha
5/1/09	Boom Spraying	Dimethoate 2 L ha/Brigade 3.5L ha
	Ashburton Park 1.43ha Dorothy Laver West 2.2ha Eric Raven Reserve 1.2ha Ferndale Park 1.15ha Macleay Park DS Bull 1.7ha Hays Paddock 1.5ha Rathmines Reserve 1.5ha Balwyn Park 1.27ha Lynden Park West 1.47ha	
21/1/09	Boom Spraying	Stamina 90 50L/ha
	Hays Paddock south 1.5ha Macleay Park – D.S Bull 1.7ha Gordon Barnard Reserve 1.8ha Greythorn Park 1.14ha Deepdene Park 0.94ha Rathmines Reserve 1.5ha Victoria Road Reserve 1.1ha Canterbury Oval 1.5ha Highfield Park North 1.5ha Myrtle Park East 1.49ha Burwood Reserve East 0.94ha	
27/1/09	Boom Spraying	Stamina 90 50L/ha
	Ashburton Park 1.5ha Dorothy Laver West 2.2ha Eric Raven Reserve 1.2ha Ferndale Park 1.22ha	

	Hartwell Sportsground 1.3ha St James Park 1.25ha Balwyn Park 1.27ha Camberwell Sportsground 1.1ha Howard Denison Reserve 1.35ha Victoria Park North 1.42ha Victoria Park South 1ha	
18/2/09	Boom Spraying	Brigade 3.5L ha/Dimethoate 2L ha
	Burwood Reserve East 0.94ha Hartwell Sportsground 1.3ha Ashburton Park 1.5ha Dorothy Laver Reserve 2.2ha Eric Raven Reserve 1.2ha	
19/2/09	Boom Spraying	Brigade 3.5L ha/Dimethoate 2L ha
	Ferndale Park 1.15ha Canterbury Oval 1.5ha Lynden Park West 1.47ha Camberwell Sports Ground 1.1ha Macleay Park DS Bull 1.7ha Hays Paddock 1.5ha Gordon Barnard Reserve 1.8ha Greythorn Park 1.14ha Balwyn Park 1.27ha Deepdene Park 0.94ha Rathmines Reserve 1.5ha Victoria Road Reserve 1.1ha St James Park 1.25ha	
20/2/09	Boom Spraying	Brigade 3.5L ha/Dimethoate 2L ha
	Victoria Park North 1.42ha Victoria Park South 1ha	
20/2/09	Boom Spraying	Nugrass 3.5L ha/Daconate 3L ha
	Macleay Park DS Bull 1.7ha Ferndale Park 1.15ha Dorothy Laver Reserve 2.2ha Ashburton Park 1.5ha	
New Ovals for 2009-2010		
10/8/09	Boom Spraying	Monument 300ml/per ha
	Stradbroke Park 1.5ha Stradbroke Park Nth 0.6ha	
10/8/09		Roundup 360 9 L/ha
	Hartwell West 1.5ha Highfield Park Nth 1.7ha Burke Road Sth 1.2ha Frog Hollow Reserve 1ha Macleay Park No.2 1.2ha Watson Park 1.27ha	

10/8/09	Roundup 360 300ml/per ha
	Anderson Park East 0.62ha Anderson Park West 0.63ha Leigh Park 1.15ha
31/8/09	Roundup 360 9 L/ha, Hammer @50ml/ ha
	Highfield Park Sth 1.7ha Hartwell West 1.5ha Frog Hollow Reserve 1ha Watson Park 1.27ha Burke Road Sth 1.2ha Macleay Park No. 2 1.2ha
31/8/09	Roundup 360 9 L/ha, Hammer @50ml/ ha
	Anderson Park East 0.62ha Anderson Park West 0.63ha
31/8/09	Millennium 2.85 L/ha, Hammer @ 50ml/ha
	Stradbroke Park North 1.98ha Stradbroke Park South 1.53ha
7/9/09	Ronstar Fertiliser 315kg/ha
	Hartwell West 1.5ha Watson Park 1.27ha Burke Rd Sth 1.2ha Anderson Park West 0.62ha Anderson Park East 0.63ha
14/9/09	Dimension EW 1.75L ha/Stamina Express 5L ha
	St James Park 1.25ha Rathmines Reserve 1.5ha Victoria Road Reserve 1.1ha Camberwell 1.5ha Lynden Park West 1.5ha Burwood Reserve East 1.75ha Ashburton Park 1.5ha
15/9/09	Dimension EW 1.75L ha/Stamina Express 5L ha
	Macleay Park DS Bull 1.7ha Greythorn Park 1.14ha Gordon Barnard Reserve West 1.8ha Balwyn Park North 1.32ha Deepdene Park 0.94ha Vic Park South 1ha Vic Park North 1.44ha Hays Paddock 1.5ha
16/9/09	Dimension EW 1.75L ha/Stamina Express 5L ha
	Canterbury 1.5ha Hartwell East 1.3ha Dorothy Laver Reserve 2.2ha
17/9/09	Dimension EW 1.75L ha/Stamina Express 5L ha
	Ferndale Reserve 0.6ha

	Eric Raven Reserve 1.22ha	
8/10/09		Monument 300ml/ha
	Rathmines Reserve 1.5ha St James Park 1.25ha Hartwell East 1.3ha Victoria Road Reserve 1.1ha	
9/10/09		Monument 300ml/ha
	Greythorn Park 1.14ha Deepdene Park 0.94ha Balwyn Park North 1.32ha Gordon Barnard Reserve West 1.8ha Lynden Park West 1.5ha Camberwell 1.5ha Burwood Reserve East 1.75ha Ashburton Park 1.5ha Dorothy Laver Reserve 2.2ha Eric Raven Reserve 1.22ha Ferndale Reserve 0.6ha Hays Paddock 1.5ha	
12/10/09		Monument 300ml/ha
	Macleay Park DS Bull 1.7ha Victoria Park South 1ha	
12/10/09		Coliseum 120g ha
	Victoria Park North 1.44ha Canterbury 1.5ha	
21/10/09		Spearhead 5L/ha
	Myrtle Park East 1.2ha Myrtle Park West 1.19ha	
1/12/09		Daconate 3L ha/Millennium 2.5L ha
	Hartwell West 1.5ha Highfield Park South 1.7ha Frog Hollow 1ha	
1/12/09		Daconate 3L ha/Drive 1.1kg ha
	Stradbroke Park South 1.53ha Stradbroke Park North 1.98ha Burke Road Reserve South 1.2ha Macleay Park No.2 Oval 1.18ha Watson Park 1.27ha Victoria Road Reserve 1.1ha	
1/12/09		Millenium 3L ha
	Ashburton Park 1.5 ha	
8/12/09		Dimension EW 1.75L ha/Stamina Express 5L ha
	Macleay Park DS Bull 1.7ha Hays Paddock 1.5ha Greythorn Park 1.14ha Deepdene Park 0.94ha	

	Victoria Road Reserve 1.1ha Eric Raven Reserve 1.22ha	
9/12/09		Dimension EW 1.75L ha/Stamina Express 5L ha
	Burwood Reserve East 1.75ha Ashburton Park 1.5ha Hartwell East 1.3ha Ferndale Reserve 0.6ha Dorothy Laver Reserve 2.2ha Lynden Park West 1.5ha	
10/12/09		Dimension EW 1.75L ha/Stamina Express 5L ha
	Gordon Barnard Reserve West 1.8ha Balwyn Park North 1.32ha Victoria Park South 1ha Victoria Park North 1.44ha Rathmines Reserve 1.5ha St James Park 1.25ha Cantebury 1.5ha	

Shire of Brimbank

Only details provided by the Shire of Brimbank were pesticide records from their Bushland Recovery team.

Shire of Brimbank Pesticide Use 2007-09				
Bushland Recovery				
Date	Site	Type	Pesticide	Rate
3/7/07	Paths and Bed	Spot Spraying – General Weeds	Roundup Biactive	10ml/1L (10 litres)
6/9/07	Wildflower Garden	Various Weeds	Roundup Biactive	10ml/1L (30 litres)
5/7/07	Garden	Spot Spraying – General Weeds	Roundup Biactive	10ml/1L (10 litres)
25/8/07	Wildflower Garden	Annual Weeds	Roundup Biactive	10ml/1L (30 litres)
10/7/07	Garden	Blanket Spray – General Weeds	Roundup Biactive	10ml/1L (40 litres)
19/7/07	Garden	Various Weeds	Roundup Biactive	10ml/1L (40 litres)
26/8/07	Wildflower Garden	Various Weeds	Roundup Bi	5ml/1L (10 litres)
12/12/07	Garden	Various Weeds	Roundup Biactive	10ml/1L (30 litres)
30/11/07	Wildflower Garden	Various Weeds	Roundup Biactive	1% (10 litres)
12/12/07	Garden	Various Weeds	Roundup Biactive	10ml/1L (30 litres)
14/11/07	Taylors Creek/Shrublands	Spot Spray – serrated tussock	Roundup Biactive Surfactant? (serrated tussock)	10ml/1L (40 litres)
23/10/07	Shrubland	Art Thistle/Pattersons Curse/Serrated Tussock	MCPA/Brushoff – thistle+Pat Curse Roundup/surf – serrated tussock	MCPA70ml /10L Brush-off 0.5g Roundup 100ml/10L +
31/10/07	Bushland	Serrated Tussock	Roundup	100ml/10 litres + surfactant 55 litres
4/4/07	Taylors Creek	Woody weeds – brimrose, broom, Prickly Pear	Roundup Garlon Garlon/Roundup	120ml/10L (20L) 20ml/10L (65L) (3L)

15/1/07	Shrubland	Prickly Pear, Broome, Anti Thistle	Garlon/Roundup MCPA/Lontrel Garlon Roundup	150ml/75ml (5L) 70ml/7ml (15 L) 10 ml (5L) 30ml (3L)
15/10/07	Taylors Creek	Rig Spraying, Back pack spot spray. Pattersons Curse, Thistle, Serrated Tussock	Brush Off/MCPA/Roundup	
20/7/07	Shrubland	Phalaris and Pattersons Curse	Roundup	100m//10L (60 Litres)
20/7/07	Shrubland		Garlon	20ml/10L (10 Litres)
2/10/07	Railway Parade	Spotspray	Garlon Roundup Biactive Roundup Max	17ml/10L (10 Litres) 10ml/10L (90 Litres) 100ml/10L (20 Litres)
4/12/07	Railway Parade	Spotspray	Garlon Roundup Max	17ml/10L (15 Litres) 100ml/10L (5 Litres)
4/6/07	Railway Parade	Spotspray annual grasses	Roundup Max	100ml/10L (90 Litres)
21/6/07	Bunnings Grassland	Spotspray plantago, annual grasses	Roundup Max Garlon	100ml/10L (10 litres) 17ml/10L (10 litres)
15/1/06	Brimbank Cairnlea	Spotspray	Simazine Roundup Max	100ml/10L (80 Litres) 100ml/10L (220 litres)
23/4/07	Brimbank Cairnlea	Spotspray serrated tussock, brassica	Garlon Roundup Biactive	17ml/10L (60 Litres) 100ml/10L (60 Litres)
17/4/07	Brimbank Cairnlea	Spotspray brassica, serrated tussock	Roundup Biactive Esteem Garlon	100ml/10L (500 Litres) 1.5ml/10L (10 litres) 17ml/10L (60 litres)
12/6/07	Brimbank, Cairnlea,	Spotspray brassica, annual	Roundup Max	100ml/10L (60 litres)

	Glenbrook	grasses, oxalis		
4/6/07	Brimbank Cairnlea	Spotspray oxalis, kykuyu	Roundup Max	100ml/10L (60 litres)
4/6/07- 8/6/07	Brimbank Selwyn Park	Spotspray kykyu, brassica	Roundup Max Garlon	100ml/10L (165 litres) 17ml/10L (30 litres)
31/8/07	Selwyn Park	Weeds, Chilean, brassica	Garlon Roundup Max	17ml/10L (10 litres) 10-100ml/10L (200 litres)
17/8/07	Glenbrook	Spot spraying	Fusilade Roundup Max Simazine	100ml/10L (25 litres) 100ml/10L (240 litres) 50ml/10L (240 litres)
6/9/07	Cairnlea Maintenance	Rig Spray/Spot Spray	Roundup Max Simazine Roundup Biactive Garlon	100ml/10L (240 litres) 15ml/10L (140 litres) 140ml/10L (80 litres) 17ml/10L (20 litres)
14/8/07	Cairnlea	Spotspray weeds, mustard, oxalis, annual grasses, mallow, erodium sp, plantago	Simazine Garlon Roundup Max Fusilade	100ml/10L (20 litres) 17ml/10L (40 litres) 100ml/10L (250 litres) 100ml/10L (25 litres)
1/10/07	Cairnlea Maintenance	Spot spray	Roundup Max Kamba M	100ml/10L (70 litres) 70ml/10L (110 litres)
29-30 Oct/07	Cairnlea Maintenance	Spotspray	Roundup Max Kamba M	100ml/10L (200 litres) 70ml/10L (100 litres)
3/1/08	Cairnlea Maintenance	Spotspray	Roundup Max Simazine	100ml/10L (170 litres) 20ml/10L (170 litres)
29/11/07	Cairnlea Parklea	Spotspray	Roundup Max	100ml/10L

				(70 litres)
5/10/07	Cairnlea Parklea	Spotspray	Roundup Max	100ml/10L (40 litres)
31/10/07	Esmond St	Spotspray chilean	Roundup Max	100ml/10L (100 litres)
3/12/07	Esmond St	Spotspray danthonia, chilean	Roundup Max	100ml/10L (65 litres)
8/10/07	Esmond St	Spotspray weeds, Chilean, broadleaf	Kamba M Roundup Max	70ml/10L (20 litres) 100ml/10L (70 litres)
23/5/07 & 1/6/07	Esmond St	Spotspray mustard, Chilean, danthonia, broadleaf, oxalis, brassica	Roundup Max Simazine Garlon Esteem	100ml/10L (15 litres) 50ml/10L (15 litres) 17ml/10L (300 litres) 1.5ml/10L (70 litres)
24/4/07	Main Rd West	Spotspray	Roundup Max	100ml/10L (110 litres)
30/10/07	Main Rd West	Spotspray	Roundup Max Kamba M	100ml/10L (30 litres) 70ml/10L (30 litres)
29/6/07	Main Rd West	Spotspray brassica, annual grasses	Roundup Biactive Kamba M	100ml/10L (40 litres) 70ml/10L (110 litres)
1/6/07 & 18/6/07	Cairnlea Parklea Powder Mill	Spotspray broadleaf, grasses	Garlon Roundup Max	17ml/10L (50 litres) 100ml/10L (200 litres)
17/1/06 & 23/1/06	Mathews Hill Maint	Spotspray chilean	Roundup Max	100ml/10L (60 litres)
23/7/07	Mathews Hill Planting Prep	Spotspray annual grasses, brassica	Roundup Max Garlon	10ml/10L (130 litres) 17ml/10L (60 litres)
29/10/07 & 28/11/07	Mathews Hill	Spotspray chilean	Roundup Max	100ml/10L (255 litres)
29/11/07	Mathews Hill	Spotspray chilean	Taskforce Roundup Max	25ml/10L (30 litres) 100ml/10L (90 litres)
4/4/07	Mathews Hill	Spotspray	Kamba M	70ml/10L

	Grassland			(210 litres)
14/6/07	Mathews Hill	Spotspray brassica	Garlon	17ml/10L (100 litres)
3/8/07	Mathews Hill	Spotspray for Chilean, mustard and some annual grasses	Esteem Roundup Max Fusilade Kamba M	1.5ml/10L (5 litres) 100ml/10L (10 litres) 100ml/10L (20 litres) 70ml/10L (135 litres)

There are more records, the only additional pesticides are Boost

City Of Darebin

City of Darebin Pesticide Usage 2008/9		
Product	Usage Rates	Volume
Roads, Gutters, Footpaths (includes Laneways)		
Round-up	10ml/litre	1,320 litres
Reserves & Ovals (sporting fields)		
Monument	300ml/ha	3 litres
Spearhead	5L/ha	176 litres
Merit	2.5L/ha	13 litres
Round-up	5L/ha	31 litres
Kamba M	6.5L/ha	11 litres
Ronstar	200kg/ha	2,000kg's
Destiny	150gm/ha	930 grams
Bushland Management		
Brushoff	1gm/10 litre	9 grams
Fusilade	8ml/litre	512 mls
Garlon	2ml/litre	368 mls
Garlon/Roundup Biactive	2ml/10ml – per litre	16mls Garlon/80 mls Round-up
Kamba M	3ml/litre	3.636 litres
Kamba M/Round-up Biactive	2ml/10ml – per litre	11.799 litres Kamba/39.330 litres Round-up
Round-up Biactive	10ml/litre	25.460 litres
Starane 200	15ml litre	1.935 litres
Esteem	1 gram for 10 litres	6.8 grams
Pools (Reservoir Leisure Centre)		
Talon Wax	0.05g/Kg	483 grams (i.e. 69 blocks @ 7 grams per block)
Blattenwax		12.50 ml
Coopex	10g/kg	55 grams
Maxforce Anti Bait	0.05g/litre	30ml
Pools (Northcote Aquatic & Recreation Centre)		
Round-up Glyphosate	1 litre for 100 litres water	100 litres
Ficam W Insecticide-Bendiocarb	800g/Kg	122 litres
Drax	5% w/w	44 ml
Talon Blocks	0.005% w/w to 100	47 blocks
Ficam D insecticide-	10g/Kg	190 grams

Bendiocarb		
Coopex – permethrin 25:75	10g/Kg	400 grams
Blattenex – Propoxur	20g/kg	735 grams
- Tetramethrin	2g/Kg	
- Piperonyl butoxide	10g/kg	
-Ethanol/Kerosene	250g/Kg	

Hume City Council

Horticultural Use

Roundup 1:100 Ratio

Roundup Biactive Herbicide 1:100 Ration

Pyrethrum Insect Killer and Piperonyl Butoxide. No ratio comes in spray bottle for direct spraying.

Pyrethrum SF Insecticide . No ration – comes in spray bottle for direct spraying.

Products used by the Bushcrew

Brush-Off 1gm:10lt we purchased late last year but haven't used it as yet. Will use in the future.

BS1000 Bio degradable surfactant 1:1000

Esteem Herbicide 1gm:10lt

Garlon 600 1:600

Kamba M 1:250 Used it a number of years ago and then changed to Thistle Killem as a substitute. Will probably re-use again as we believe certain species are becoming resistant to Thistle Killem.

Lontrel Herbicide 1:200 We rarely use.

MCPA 500 Used a number of years ago and then changed to Thistle Killem as a substitute.

Roundup Biactive 1:1000

Roundup Power Max 1:160

Thistle Killem 1:200

Tordon Granules: Purchased last year but are yet to use.

Vigilant Herbicide We trialed this but have decided to use dabber bottles instead.

Grazon Extra Purchased recently for Galenia, yet to use.

Grazon Used a number of years ago but decided to use Garlon 600 instead due to its soil residual properties.

Herbicide Used by Hume City Council Contractors

Roundup and Roundup bioactive 1:100

Roundup Power Max 1:160

Glyphosate CT 1:130

Garlon 1:600

Pulse 1:1000

BS1000 1:500 – 1:1000

MCPA 1:250 – 1:400

Fusilade 1:75

Kamba 1:100 – 1:250

Starane 1:67

Associate 5gm:10 lt

Glen Eira City Council

City of Glen Eira Specification

Weed control

10.1 Operation

The contractor must spray with herbicide and/or otherwise control weed growth in the areas listed in clause 10.2 throughout the municipality in accordance with standards specified in clause 10.4.

10.2 Areas To Be Maintained

LOCATION	AREA
Residential areas	Kerb and channel Road Pavements Footpaths and Crossovers Building Lines abutting footpaths Traffic Easements Paved lane ways; and Open constructed drains in unmade lane ways and easements
Shopping Centres	All paved areas Building lines abutting footpaths Lane ways abutting shopping centres; and car parks abutting shopping centres

10.3 Frequency of Treatment

10.3.1. The contractor is to apply treatment to the whole of the municipality at least twice per year at the most effective times with regard to the growth cycle and weather conditions...

10.4 Performance Standard

10.4.1 Residential Areas

10.4.1.1 Weed growth must not exceed 0.02sq. metres in any 10 sp. Metres or a height of 50 mm within streets.

10.4.1.2 Weed growth must not exceed 0.10sq metres in any 10 sp. Metres or a height of 50 mm in laneways.

10.4.1.3 Weed growth must not overhang the back of kerb by more than 25mm.

10.4.2 Shopping Centres

10.4.2.1 Weed growth must not be visible...

7 November 2003 (I write to advise that your quotation for the weedspraying of unmade laneways for the amount of \$53,000 per annum plus GST has been accepted...

Glen Eira City Council Pesticide Applications 2005

Date	Pesticide	Mix Volumes	Method
14/1/05	Spearhead	5L (Total mix used 400L)	Lance, Broadleaf weeds
27/1/05	Spearhead	5L + 38L (Total mix 100L + 1000L)	Lance, Boomspray, broadleaf weeds
28/1/05	Injectaforce	38L (Total mix 1000L)	Boomspray
31/1/05	Injectaforce	76L (Total mix 2000L)	Boomspray
1/2/05	Methar Tri Kombi/Bromicide	8L (Total mix 400L)	Boomspray (wireweed E.E. Gunn Reserve main oval)
1/2/05	Hozat/?	9L/14L (Total mix 600L)	Boomspray, Koornang Oval)
2/2/05	Injectaforce	76L (Total mix 2000L)	Boomspray
8/2/05	Injectaforce	114L (Total mix 2650L)	Boomspray – Turf (various reserves)
9/2/05	Injectaforce	76L (Total mix 1350L)	Boomspray - Turf
10/2/05	Companion/ Essential Injectaforce	50.7L (Total mix 1000L) 56.1L (Total mix 1000L)	Boomspray
11/2/05	Companion Essential Injectaforce	50.7L (Total mix 1000L)	Boomspray - Turf
14/2/05	Injectaforce	76L (Total mix 1400L)	Boomspray - Turf
15/2/05	Injectaforce	40L (Total mix 800L)	Boomspray – Turf (Baseball diamonds)
15/2/05	Strike-Out	7L (Total mix 400L)	Boomspray - Turf
16/2/05	Tecto?/Baycor/Howzat	10L (Total mix 400L)	Boomspray - Turf
16/2/05	Spearhead	8L (Total mix 350L)	Broadleaf Weeds)
17/2/05	Spearhead	16L (Total mix 1650L)	Boomspray – broadleaf weeds)
18/2/05	Rifle 330	15L (Total mix 350L)	Boomspray – broadleaf weeds)
21/2/05	Rifle 330/Spearhead	15 L (650L total mix) 8L (700L total mix)	Boomspray & Lance – broadleaf weeds
22/2/05	Spearhead	8L (Total mix 300L)	Boomspray - Broadleaf Weeds)
7/3/05	DSMA Clear	100L/1000L	Boomspray – Crows Foot
9/3/05	DSMA Clear	100L/1000L	Boomspray – Crows Foot
10/3/05	DSMA Clear	100L/1000L	Boomspray – Crows Foot
11/3/05	DSMA Clear	100L/1000L	Boomspray – Crows Foot
18/3/05	Companion Essential	58L/1000L	Boomspray – Turf

16/3/05	Companion Essential	58L/1000L	Boomspray – Turf
6/5/05	Essential Companion	43.8L/1000L	Boomspray – McKinnon Oval
9/5/05	Essential	51.2L/2000L	Boomspray – prevention of fungi outbreaks
19/5/05	Spearhead	7L/420L	Boomspray - oval
27/9/05	Spearhead	25L/1000L	Boomspray – broadleaf weeds Caulfield Park
30/9/05	Spearhead	10L/400L	Boomspray – broadleaf weeds Caulfield Park
4/10/05	Spearhead	15L/600L	Boomspray – turf oval
6/10/05	Spearhead	10L/400L	Boomspray - oval
10/10/05	Spearhead	25L/100L	Boomspray -parkland
11/10/05	Spearhead	22.5L/900L	Boomspray - oval
17/10/05	Spearhead	25L/1000L	Boomspray - ovals
18/10/05	Spearhead	25L/1000L	Boomspray - ovals
19/10/05	Spearhead	20L/800L	Boomspray - ovals
20/10/05	Wetting Agent	28L/1000L	Boomspray
21/10/05	Wetting Agent	38L/1000L	Boomspray
26/10/05	Injectaforce	38L/1000L	Boomspray-turf
26/10/05	Howzat	2L/200L	Boomspray
27/10/05	Injectaforce	38L/1000L	Boomspray-turf
28/10/05	Injectaforce	38L/1000L	Boomspray-turf
31/10/05	Injectaforce	30L/1000L	Boomspray-turf
4/11/05	Spearhead	10L/500L	Boomspray - turf
8/11/05	Merit	12.5L/1000L	Boomspray – turf (black beetle)
9/11/05	Merit	10L/800L	Boomspray – turf (black beetle)
10/11/05	Merit	10L/800L	Boomspray – turf (black beetle)
28/11/05	Roundup	40L/900L	Boomspray - turf
22/12/05	Spearhead	4.5L/250L	Boomspray – turf Valstone Primary School

Figures also given for 2006-7.

Other sprays included Bronco, Bromicide 200, Methar Tri-Kombi, Dispatch, Maximiser Penetrator, Firefighter, Kamba M, Clear Up Bio.

Also Elm Leaf Beetle Control 2006

Also ponds treated with a range of algaecides? Eco Mix, Algae Fix, Oase Silt Remover

Monash City Council

Monash City Council Pesticide Applications			
Chemical Used	Target Pest	Application Rate	Date of Application
Reserves (not including Sports Fields)			
Roundup Biactive	Various weeds along fence lines, unsealed paths, around fixtures	10 millilitres/litre	
Methar Tri Kombi	Capeweed in grass areas	4.2L/ha	Usually late autumn/early winter
Garlon	Blackberries and Ivy	170ml/100L	
Garlon and Roundup Biactive	Ivy	1 litre garlon/a litre roundup per 100 ltr.	
Nursery/Greenhouse			
Fongarid	Prep beds and Seed Trays	1gm/litre	
Diazanone	Seed trays etc	6ml/L	
Sodium Hypochlorite	Prop bed	30ml/10L	
Surrender	Liverwort Shadehouse	20ml/10L	
Orthene	Indigenous Stock	13g/10L	
Confidor	Greenhouse, Mealy Bug	2.5ml/10L 8ml/25L	
Simazine	Nursery	200ml/15L	
Roundup Biactive	Nursery	10ml/L	
White Oil	Greenhouse, Palms, Assorted for Asspidista scale		
Roads			
Roundup Biactive		10ml/L	Every street in Council area
Sports Fields			
Methar Tri Kombi		4.2L/ha	
Daconate	Paspalum – eradication of crowsfoot/summer grass	5L/ha	
Rovral	Winter grass control	1L/ha	
Merit	African Black Beetle control	2.5L/ha	
Monument	Winter grass control	30gms/ha	
Passtox		4kg/ha	
Meridian	African Black Beetle control	1.2kg/ha	
Spearhead		5L/ha	

Golf Courses Herbicides			
Methar and Wetter	Paspalum	700g/100L	Fairways – Summer – Oakleigh Golf Course
Banvel M	Broadleaf	6.5/300L	Autumn Fairways – Oakleigh Golf Course
Maximaster Plus	Broadleaf		Autumn all Greens – Oakleigh Golf Course
Tupersan	Kikiyu	1kg/100m ²	Autumn 9 th Green and Surrounds – Oakleigh Golf Course
Kamba M	Broadleaf Weeds	6.5L/ha	All Fairways – Oakleigh Golf Course
Methar & Pinnacle	Paspallum	700gms	Autumn Fairways – Oakleigh Golf Course
Kamba M and Methar	Broadleaf	6.5L/ha	Autumn All Fairways – Oakleigh Golf Course
Methar Tri-Kombi	Broadleaf weeds	45ml/100L 5L/ha 4.5L/ha	All Tees/Greens – Autumn/Spring Oakleigh Golf Course. Fairways, Tees, Greens, Nursery and surrounds Glen Waverley Summer/Spring/Winter
Pastox		4.5L/ha	Fairways Glen Waverley Summer
Bromicide		5L/ha 300mls/100L water	Fairways Glen Waverley Spring/Winter – also applied by boom
Ronstar	Couch	1.5kg/100m ²	Fairways Glen Waverley Spring
Kerb		1.2kg/ha	Fairways Glen Waverley Spring
Golf Courses Fungicides			
Baycor	Fusarium/Preventative & Dollar Spot Greens/Nursery Glen Waverley	50ml/100m ²	All Greens – Winter/Spring/Summer/Autumn– Oakleigh Golf Course Autumn/Winter Glen Waverley – also applied by boom
		60ml/100m ²	
		90mls/100m ²	
Rovral	Fusarium & Rhysotomia & Brown Patch	140ml/100m ² 194gms/100m ²	All Greens – Winter – Oakleigh Golf Course. Glen Waverley Nursery with spray gun.
Ippon 500	Fusarium & Preventative	90ml/100m ²	All Greens – Winter – Oakleigh Golf Course/ Spring/Summer Glen Waverley Autumn
3 Sixty 5	Winter Fusarium Greens/Nursery (Glen Waverley)	125ml/100m ²	All Greens – Spring – Oakleigh Golf Course/ Winter Glen Waverley
Heritage Maxx	Brown Patch & Fusarium & Preventative	60ml/100m ²	All Greens – Autumn/Spring/Summer/Winter – Oakleigh Golf Course/Glen Waverley – also applied by boom
		120ml/100m ²	
Rhysol D.G.	Fusarium	200g/100m ²	All Greens – Spring – Oakleigh Golf Course
Bayfidan	Fusarium/Preventative	40ml/100m ²	All Greens – Spring – Oakleigh Golf Course
		60ml/100m ²	All Greens – Summer – Glen

			Waverley
Rovral GT	Fusarium/Preventative	180ml/100m2	All Greens – Spring/Summer – Oakleigh Golf Course. Winter /Spring Glen Waverley
Chloroturf	Rhizotonia	750gms/200 L	All Greens – Summer – Oakleigh Golf Course
Chipco Spin	Dollar Spot/Preventative	60ml/100m2	All Greens – Summer/Autumn – Oakleigh Golf Course
Rovral Green	Fusarium & Winter Fusarium & Dollar Spot & Preventative	90ml/100m2	All Greens – Autumn/Winter – Oakleigh Golf Course
Tridem (Tridim)	Winter Fusarium – Greens & Nursery, Fairy Rings(Waverley).	60ml/100m2	Winter - some greens – Oakleigh Golf Course – Spring/Summer. Glen Waverley Public GC
Spin	Fusarium & Dollar Spot	90ml/100m2 60ml/100m2	All greens - Autumn– Oakleigh Golf Course/Summer Glen Waverley
Tridem 250 EC	Preventative	60ml/100m2	All greens - Autumn– Oakleigh Golf Course
Rhysol	Rhysoctonia	194gms/100m2 190gms/100m2	4 th green summer– Oakleigh Golf Course. All Greens Winter/Spring/Summer Glen Waverley
Rhysol/Heritage Maxx	Rhysoctonia	194gms/100m2 120ml/100m2	All greens – summer – Oakleigh Golf Course
Signature		60mls/100m2	Green Summer – Glen Waverely
Thiram		160mls/100m2 180mls/100m2	Greens summer/winter – Glen Waverley
Protak		60mls/100m2 65mls/100m2	All Greens summer/winter/autumn – Glen Waverley
Banner			All greens Glen Waverely autumn
Deconil & Heritage Maxx		200ml/100m2 60ml/100m2	Summer greens/nursery Glen Waverley
Vorlon		7.6mls/100m2	All greens Winter Glen Waverley
Ippon		60mg/100m2 90mls/100m2	All Greens Winter Glen Waverley
Decogreen	Anthracoze	200mls/100m2	All greens Autumn Glen Waverely
Alliat		50mls/100m2	Winter Nursery and Greens Glen Waverley
Alliette		125gms/100m2	Winter Nursery Glen Waverley
Howzat - Windfoil		60mls/100m2	Winter Greens and Nursery Glen Waverley
Rovral Green		90mls/100m2	Winter Greens and Nursery Glen Waverley
Workman 365 Rovral		90mls/100m2	Autumn Greens Glen Waverley
Penncozeb 420C Workman		400mls/100m2	Autumn Greens and surrounds Glen Waverley
Protak Workman		65mls/100m2	Autumn Greens Glen Waverley

Howzat Workman		60mls/100m ²	Winter/Spring Greens Glen Waverley
Golf Course Insecticides			
Penniside (1990-5)	Preventative Stem Weevil	125ml/100m ² 250ml/100m ²	All greens – autumn – Oakleigh Golf Course
Endosulfan (1991-2000)	Worms	21ml/100m ²	All greens – winter – Oakleigh Golf Course
Endosulfan 350 EC (1991)	Worms	21ml/100m ²	Greens winter– Oakleigh Golf Course
Chlorpyrifos (1996-2001)	African Black Beetle & Black Headed Colrch?, Army Worm & Stem Weevil	60ml/100m ² 500g/L	Greens spring/summer– Oakleigh Golf Course. Spring Glen Waverley (2008-9)
Merit (2001-2)	Stem Weevil & Black Beetle	25ml/100m ²	Greens spring/summer– Oakleigh Golf Course
Chlorpyrifos 500EC (2004-2007)	Black Beetle & Argentinian Stem Weevil	40-60ml/100m ²	Greens/Autumn summer
Mallet	Black Beetle	60mls/100m ²	Spring Glen Waverley
Sentinel	Various	60mls/100m ²	Summer Glen Waverley
Dimethoate	Fairways	2L/ha	Spring Glen Waverley 2009

City of Moreland

Standard practice according to spray records 2005- 09 Moreland Streetscapes Herbicide Crews Spray Record – Name of chemical supplier EE Muirs 16 Raymond Road, Laverton North. Spraying with weed spray ute, ATV

Laneways, roadsides sprayed with Anti-foam herbicide (60ml per 400lts), Roundup Biactive 360 (4lt per 400 lts), Simazine 900 (500g/400lt) or (1.5kg/400 lt), Esteem (40g/400lt).

City of Moreland Pesticide Data 2005-2007			
Pesticide	Quantity per year	Use	Comment
Ovals			
Albarol			
Amicide 500			Ovals – winter/spring weeds
Confidor 200SC			Ovals – for grubs
Cultar			Ovals – growth retardants
DSMA Clear			Ovals – summer weeds
Tordon 75 D			Ovals – winter/spring weeds
Kamba M			Ovals – winter/spring weeds
Meridian			Ovals – turf grubs/beetles
Merit	10 litres		Ovals – couch mite
Methar Tri Kombi			Ovals – winter/spring weeds
Monument	200g		Ovals – for Rye in Couch
Passtox			Ovals – summer weeds
Parks and Ovals			
Kamba M	200 litres		
Methar Tri Kombi	100 litres		
Road Reserves			
Esteem/Brush Off			
Painting Fresh Cut Suckering Plants			
Garlon 600			
Fence lines etc			
Roundup	1200 litre	Pesticides are applied throughout the year in road reserves and rights of way, weather	Used on its own in parks, sportsfields, nature strips etc. Used in combination with Esteem &

		permitting. Roundup in the most used pesticide.	Simazine for gutters and Rights of Way for residual effect
Roads			
Roundup			In combination for gutters and made Rights of Ways. Roundup only for other areas, such as nature strips and cut outs.
Esteem/Brush Off			
Simazine			
Bluestone gutters and where residual required			
Simazine 900			Use stopped in 2007
Simazine Flowable			Use Stopped in 2007
Turf			
Meridian			
Bees and Wasps in Trees			
Ficam D Insecticide Dust	Approx 12 trees per year		
Coopex Insecticidal Dusting Powder	Approx 12 trees per year		
Parks and Gardens			
Roundup			Fencelines etc
Methar Tri Kombi			In more high profile lawns
Playgrounds			
Roundup			Spot spraying only as required

City of Whitehorse

City of Whitehorse Chemical Usage		
Chemical	Application	Amount Used
Morack Golf Course Chemical Usage 2005		
Signature (fungicide)	3kg per 400 l water/ha	3kg
Rovral (fungicide)	2 L per 400 l water/ha	2L
Baycor (fungicide)	1 L per 300 l water/ha	2L
Heritage (fungicide)	600ml/100m sq/6L/ha	6L
Surrender (algaecide)	2.5 L/ha	2.5L
Baycor (fungicide)	5L/ha	10L
Merit (insecticide)	4.5L/ha	4.5L
Spearhead (herbicide)	4.5L/ha	22.5L
Chlorpyrifos (insecticide)	60ml/300m sq	300ml
Morack Golf Course Chemical Usage 2006		
Fungal (fungicide)	4L/ha	4L
Spearhead (herbicide)	4L/ha	19.5L
DSMA (herbicide)	6L/ha	6L
3 Sixty 5 (fungicide)	1.5L/ha	1.5L
Rovral Green (fungicide)	4.5L/ha	4.5L
Surrender (algaecide)	3L/ha	1.5L
Poachek (herbicide)	15ml/100m sq	300ml
Merit (insecticide)	1L/ha	1L
Baycor (fungicide)	1L/ha	2L
Morack Golf Course Chemical Usage 2007		
3 Sixty 5 (fungicide)	1.5L/ha	1.5L
DSMA (herbicide)	6L/ha	6L
Spearhead (herbicide)	4L/ha	13L
Chlorpyrifos (insecticide)	900ml/ha	450ml
Bayfidian (fungicide)	5L/ha	5L
Baycor (fungicide)	1L/ha	1L
Monument (herbicide)	200ml/ha	600ml
Rhysol DG (fungicide)	7kg/ha	7kg
Nursery Grounds/Area 2005-9		
Roundup	10ml/L	3.15L
Confidor Aerosol Insecticide	3 cans	
Soil Injection Street and Park Trees		
Confidor and Calcium Nitrate 2005	117 street trees	7777L
Confidor and Calcium Nitrate 2005	110 street trees	4433L
Sports Grounds/Miscellaneous		
Chlorpyrifos to 2 sports	January 2006	\$345.95

grounds		
Monument 25G	July 2005	\$775.00 (\$235.00 each)
Merit-Chipco 1L	July 2005	\$6457.88 (\$215.00 each)
Strikeout EC 20L	January 2006	\$580.80 (\$264.00 each)
Clear Up Bio 110L	July 2007	\$1200.00 (\$600.00 each)
Primo Maxx 5L	August 2007	\$1320.00 (\$600.00 each)
Monument 25G	August 2007	\$2090.00 (\$190.00 each)
Clear Up Bio 110L	August 2007	\$660.00 (\$600.00 each)
Merit 5L	September 2007	\$1320.00 (\$600.00 each)
Clear Up Bio 110L	September 2007	\$660.00 (\$600.00 each)
Works Description		
Sparks Soccer (8 th Aug 2006) Mahoneys Soccer (10 Aug 2006)	Apply "Monument" to oval	\$910.00
Yawarra Primary School (25 th Sept 2006)	Broadleaf Spraying of oval	\$160.00
R.E.Gray Reserve (15 th Sept 2006)	Broadleaf weed control of reserve	\$440.00
City of Whitehorse (Oct 06)	Broadleaf weed control of ovals	\$12,477.50
Robert McCubbin Primary School (25 th Oct 06)	Apply Spearhead to oval	\$200.00
City of Whitehorse (Oct 06)	Apply Merit and Stamina to ovals as per quote	\$6,338.00
City of Whitehorse (Nov 06)	Apply Monument to ovals as per quote	\$2661.00
City of Whitehorse (15 th -16 th Jan 07)	Apply DSMA to ovals as discussed. Highbury Park, Mahoney's Reserve, Vermont Park, Terrara Park	\$560.00
City of Whitehorse (29 th March 07)	Apply "Merit" to ovals (Eley, Heatherdale East, Koonung East & West)	\$3646.50
City of Whitehorse (27 th August 2007)	Apply "Primo Max" to Heatherdale East oval	\$210.00
City of Whitehorse (4 th Sept 07)	Apply "Monument" to ovals (Vermont, Terrara, Highbury & Mahoney's Soccer)	\$560.00
City of Whitehorse (12 th Sept 07)	Apply "Merit" to Heatherdale East, Forest Hill Reserve and Wembley ovals	\$420.00
Box Hill Town Hall (3 rd Oct 2007)	Broadleaf weed control (Herbicide: Spearhead)	\$260.00
R.E. Gray Reserve (4 th Oct 2007)	Broadleaf weed control (Herbicide: Spearhead)	\$730.00
Whitehorse Rd (30 th Aug, 3 rd -	Broadleaf weed control of	\$3636.40

5 th Sept 07)	Outers and Median (Herbicide: Spearhead)	
Springvale Rd (12 th Sept, 3 rd & 10 th Oct 07)	Broadleaf weed control of Outers and Median (Herbicide: Spearhead)	\$2297.23
Canterbury Rd (18 th Sept, 4 th & 5 th Oct 07)	Broadleaf weed control of Outers and Median (Herbicide: Spearhead)	\$1430.02
Blackburn Rd (18 th Sept 07)	Broadleaf weed control of Outers and Median (Herbicide: Spearhead)	\$279.00
Boronia Rd (5 th Oct 07)	Broadleaf weed control of Outers and Median (Herbicide: Spearhead)	\$599.74
Burwood Hwy (5 th & 8 th Oct 07)	Broadleaf weed control of Outers and Median (Herbicide: Spearhead)	\$1946.00
Aqualink Box Hill (Swimming Pools)		
Zed Zed (simazine) Algaecide	Fortnightly on a Friday night	For maintenance dose 7 litres every 2 weeks
Starver	Maintenance doses done monthly on Monday nights or as needed when phosphates are high	10 litres
PAC	After backwashing. After adding Starver	2 Litres

City of Yarra

“... Council records are very limited regarding detailed information and we are therefore unable to provide specific quantities, or when and where pesticides were used. The information attached is a broad view of the areas and buildings throughout the Council relating to pesticides used.

Streetscapes (including nature strips), Trees, Parks & Gardens (including playgrounds):

Glyphosate (Roundup Biactive) – Herbicide for weeds

Basta/Finale – Herbicide (non translocating) for tree suckers

Imidacloprid (Confidor 200 SC) – Insecticide, Elm Leaf Beetle

Golf Course:

Roundup (herbicide)

3sixty5 (fungicide)

Banol (fungicide)

Signature (fungicide)

Monument (herbicide)

Heritage Maxx (fungicide)

Sporting grounds/Ovals:

Glyphosate (Roundup Biactive) – Herbicide for weeds

Council Buildings (including libraries):

Domestic insect spray (eg Mortein surface spray 250g for minimal insect problems) – approximately 1-2 cans per year per building.

Yarra Ranges Shire

8 Litres of Roundup per year to treat weeds at pools.

Yarra Ranges Shire Pesticide Use 2009/10			
Sportsfields			
Type	To Control	Amount	
Nugrass Herbicide (500g/L Diclofop-Methyl. Solvents: 393g/L Hydrocarbon Liquid, 80g/L N-Methyl Pyrrolidione)	Crowsfoot	20 litres used on 11.3 hectares during the month of March 2010.	
Daconate Herbicide (800g/L MSMA)	Weeds	30 litres used on 7.4 hectares during month of December 2009.	
Monument Herbicide (Trifloxystrobin sodium)	Ryegrass	9 litres used on 27.6 hectares during the month of October 2009.	
Banol Fungicide (Propamocarb hydrochloride 66.5%)	Brown Patch	10 litres used on 1.6 hectares during the month of January 2010	
Rovral GT Fungicide (Iprodione 250g/L)	Brown Patch	70 litres used on 9 hectares during the months of December 2009 and March 2010	
Heritage Maxx Fungicide (Azoxystrobin 95g/L)	Fairy Ring	30 litres used on 3.4 hectares during the months of January and March 2010.	
Millenium Herbicide (2,4-D, Clopyralid, Dicamba)	Flatweeds	390 litres used on 116.6 hectares during the months of July, October, December 2009, March 2010	
Thumper Miticide (20g/L Abamectin)	Couch Mite	30 litres used on 37.3 hectares during the months of December 2009 and March 2010	
Talstar Insecticide (250g/L Bifenthrin)	Couch Mite	80 litres used on 37.3 hectares during months of December 2009 and March 2010.	
Lilydale Lake/Open Space 2010			
Location	Product Used	Dilution Rates	Total Diluted quantity sprayed (litres)
Lilydale Lake – Swansea Rd frontage	Garlon	170ml/100 litres	4000
Lilydale Lake - parklands	Garlon	170ml/100 litres	300
Lilydale Lake - parklands	Roundup	170ml/100 litres	160
Lilydale Lake -	Roundup	170ml/100 litres	1300

parklands			
Lilydale Lake - parklands	Garlon	1000ml/100 litres	200
Lilydale Lake - parklands	Boom Spray	MCPA @ 1 litre/100 litres Lontrel @ 300mls/200 litres	200 600
Lilydale – Main Street	Lontrel	Lontrel @ 300mls/200 litres	300
Parks and Gardens			
Confidor (Imidacloprid) – September - October	Elm Leaf Beetle	(Soil Injection, Stem injection, canopy spraying)	
Pesticides Buildings and Facilities			
412 Ditrac Wax Blox		Brodifacoum	
1.2 kg Rat Grain Bait			
84 Tubes Drax Ant Bait			
4.35 Litres Biflex Duo 200		Bifenthrin	
2kg Premise (Termiticide)		Imidacloprid 200g/L	
2.2kg Coopex Insecticidal Dusting Powder		Permethrin 10g/kg, Talc 960g/kg	
1 litre Cislin 25		Pyrethroid – Deltamethrin 25g/L	
2kg Pestigas			
Transfer Stations			
Spot Spraying/Site Spraying	Powermax		1 litre to 100 litres
Spot Spraying	Roundup		500mls to 100 litres
Garlon	Site Spraying		170 mls to 100 litres
Roads and Bridges (major culverts)			
Roundup			75 litres in total (2009/10?)