

## ENVIRONMENT TOPIC

# AIR QUALITY MANAGEMENT

## Preparing A Property Spray Plan

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### **Introduction**

Agrichemical spray drift is an issue of concern due to the variety and quantity of agrichemicals used and the potential for off-site effects.

The application of agrichemicals is permitted in Hawke's Bay, provided certain conditions are met. This Environment Topic explains one of these conditions, the preparation of a Property Spray Plan.

### **When must you have a Property Spray Plan?**

A Property Spray Plan must be prepared at the beginning of each year or spray season where:

- The application is on private land;
- The application occurs on any land within 50m of an adjacent property more than twice in a 12 month period; and
- Spray drift beyond the boundary cannot be avoided (such as for many horticultural activities).

The plan must be given to any adjacent neighbour, or Regional Council Officer on request.

### **Preparing the Property Spray Plan**

Preparing the Property Spray Plan is a relatively straight-forward task. In most cases you will already have much of the information required, and the plan involves bringing it together in one simple document.

Prepare the plan so it includes all the information described in Appendix N4 of the *Code of Practice for the Management of Agrichemicals* (NZS 8409:1999). Essentially, it is just collating the information listed in the next column. You can use any format you like. An example Property Spray Plan is set out over the page.

### **What must your Property Spray Plan include?**

The Property Spray Plan must include:

- Names of immediate neighbours and their contact phone numbers.
- Details of road boundaries, especially noting roads used by school children.
- Crops to be sprayed and chemicals (trade names, type, purpose) likely to be used during the year or season.
- Whether aerial application of agrichemicals may be used.
- Identification of sensitive areas (location and type) e.g. residential buildings, school buildings, amenity areas, water supply catchments, water bodies, sensitive crops or farming systems, wetlands, public roads.
- Strategies to avoid contamination of the identified sensitive areas e.g. specific application techniques, buffer zones.
- Name and contact phone number of those carrying out the agrichemical application, and confirmation of their current GROWSAFE® certification.
- Particular weather conditions that may increase potential drift hazard to sensitive areas.
- Indication of any agrichemicals to be used that may present specific hazard (e.g. bee toxicity).

#### **For further information**

For further information, ask for the related Environment Topic, "Agrichemical Application Rules", or contact Environmental Regulation or Land Management staff at the Regional Council:

Napier 06 835 9200  
Toll free 0800 108 838  
[www.hbrc.govt.nz](http://www.hbrc.govt.nz)

## Location Information

1. Draw a Plan of your property
  - Mark on it all immediate neighbours
  - Note any sensitive areas

2. Make a list of neighbours' contact phone numbers

### Example

Smith's House Jan & John 876 3333  
 Golden Bell Orchard Ms Bell 876 1111  
 Braeburn P/ship Barry Clay 876 0000  
 Tong-Young Veges How&Nola 878 7878  
 Karamu School Princ Mrs Smith 876 6666  
 Bio-Plus Organics David Brown 876 2222  
 Frampton Park HDC Mr Jones 870 0000

2. Detail Road Boundaries

- Use road signs to indicate spraying in progress
- Note roads used by children

### Example

Ruahapia Road– Northern boundary  
 Right of Way - Eastern Side  
 Both the above used by children going to and from school

## Spray Programme

4. Note Aerial Applications that will occur

### Example

No aerial applications will be made

5. List Spray Operator Details

### Example

David White (Manager) 878 5555  
 or 025 456789 (Growsafe Cert 23432)  
 Mark Black (Staff) 878 9999  
 or 025 654321 (Growsafe Cert 435261)

6. List Crops to be Sprayed and Chemicals to be Used

### Example

Spray Schedule					
Crop	Chemical Type	Common Name	Chemical Group	For the Control Of	Time of Application
Maize	Herbicide	Gesaprim	atrazine	Broadleaves	Early post-emergence
	Herbicide	Trophy	acetochlor	Annual grass, broadleaves	Post-plant, pre-emergence
Apple	Fungicide	Polyram	dithiocarbamate	Blackspot	Based on weather
	Insecticide	Mimic	tebufenozide	Leafroller (Lepidoptera)	As required based on pest monitoring results

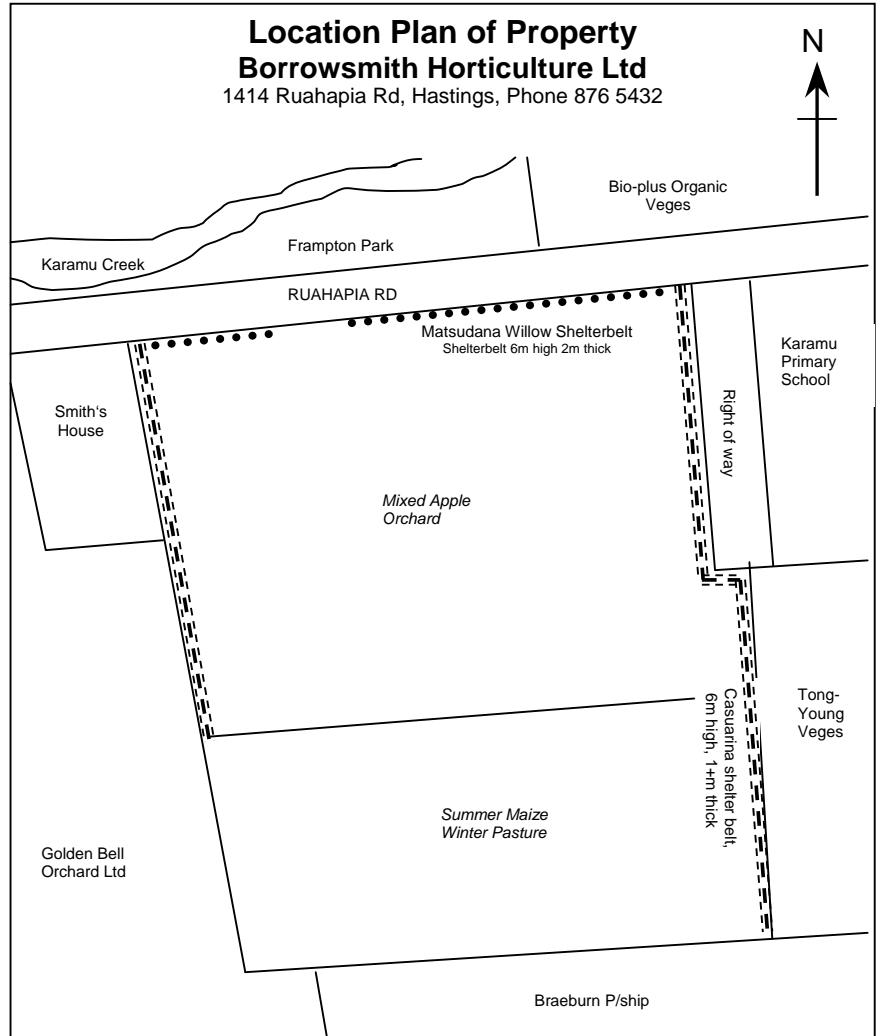
etc

## Hazard Management

7. Identify the sensitive areas and strategies to avoid contaminating them

### Example

General off-property areas	IFP programme avoids unnecessary spraying Low volatility chemicals used by choice Sprayer maintained and calibrated	Wind vane on property shows direction Hand held anemometer used if wind speed rises Water sensitive papers set on boundary alert if drift occurs
Right of Way and Primary School	Casuarina shelterbelt 6m x 1m+ No spraying from 8am–4pm school days	Principal to advise any out of hours use
Ruahapia Rd	Matsudana shelter in leaf during main spray season Will be sprayed as early as possible	Sprayed before 8am on school days
Bio-Plus Organic	Shelterbelts and general controls as above	No spraying east side if south westerly wind
Karamu Stream	Shelterbelts and general controls as above	
Particular weather conditions	Avoid spraying if wind above 6 m/s (anemometer)	
Agrichemicals with specific hazard	Insecticides toxic to bees, observe label requirements	



## Location Plan of Property Borrowsmith Horticulture Ltd

1414 Ruahapia Rd, Hastings, Phone 876 5432