

PARKS AND RESERVES: SECTION 6.3.024 WEED SPRAYING

1.0 PURPOSE

To detail how weed spraying is to be performed.

2.0 SCOPE

Preparation and carrying out of Weed Spraying.

3.0 OUTCOME

Weed spraying is performed in a controlled and professional manner.

4.0 REFERENCES

Growsafe Certified Operator refer to Agrichemical Users Code of Practise NZS 8409:2004

Refer to SLA specifications on weed control in different areas

5.0 RESPONSIBILITIES

Supervisor / Manager

- Is responsible for ensuring that all staff are appropriately trained prior to commencing this work. This includes the operation of any machinery being used.
- Is responsible for ensuring job is completed correctly.

Operators

- Are responsible for ensuring that all Health and Safety procedures are followed.
- Are responsible for ensuring this SOP is followed correctly so the desired outcomes are achieved.
- Are responsible for maintaining a clean and safe worksite.

6.0 ASSOCIATED PROGRAMMES

iAuditor

Vault

Next Service

Training Program

Knapsack Sprayer

Boom Sprayer

Spray Truck

Battery Powered Sprayer

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7.0 PROCEDURE

PPE

- High Visibility Overalls
- Safety Boots
- Gumboots
- Respirator – Check canister expiry date
- Nitrile Gloves
- Hat

Equipment

- Appropriate spraying equipment – boom sprayer, knapsack, spray truck, batter powered spray tank.
- Chemical
- Decanting equipment

Pre Start

1. Determine location of task
2. Completion date (if supplied)
3. Decontamination if required
4. Ensure operation will be carried out under the supervision of a qualified SpraySafe Operator.

Spray Truck Set-Up

1. Start task on NextService App
2. Fill in Hazard Assessment on iAuditor before handling any concentrated chemical
3. Identify vegetation to spray
4. Check weather forecast and Wind Speed Guide*
5. Ensure all equipment is in good order and operational before filling tank
6. Wear safety equipment when you are filling up tank
7. Always check you are using the appropriate chemical for the task
8. Always check the application rates on the chemical label
9. Read safety precautions on chemical labels before pouring concentrate
 - Mix as per instructions
 - Use the measuring cups supplied
 - Only mix enough spray required to complete the job
 - Use clean water only
 - Use white spray hose at wash bay only
 - Complete stock out register from Chemical Store
 - Triple rinse containers in wash bay and puncture empty containers before storing in cage by Chemical Shed
10. Clear wash bay of any spillage
11. Current SDS for chemicals used are stored in vehicle

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12. In the case of a spill in the Chemical Store, apply zeolite provided, to absorb chemical, clean up and place contaminated material in bin provided
13. When the bin is full, dispose of spill in a plastic rubbish bag and dispose at landfill, wash bin at the wash bay
14. Use eye wash or shower unit for spillage's on yourself
15. Any chemical that is de-cantered into smaller bottles must have the chemical label on the bottle
16. Wind Speed Guide is located in the 'Spray Applicators Report' on iAuditor. When wind speed is entered, instructions are displayed on the suitability of spraying. *A hand-held anemometer is used to measure wind speed, something we are looking at obtaining*

On Site Set up

1. Complete Hazard Assessment in iAuditor
2. Install public notification spray signage informing of chemicals used and re-entry time, at entry points to site
3. Ensure public not in area
4. Carry out spray operation

Working Operation

1. Monitor wind conditions
2. Monitor weather conditions
3. Spray target vegetation only
4. Check public are clear of spray area at all times
5. Ensure SLA specifications are maintained
6. 100mm wide spray band around obstacles, post and rail fences and footpaths
7. 200mm wide spray band around trees and boundary fences
8. Spray operator's initiative required regarding corners, large trees and any irregular obstacles
9. *Refer to SOP for Spraytruck and Knapsack Sprayer*

Hazards:

- i. Spills must be cleaned up immediately
- ii. Immediately report all spills to your Supervisor and enter into Vault as an incident

Job Completed

1. Remove spray signs after re-entry time
2. Enter hours onto task in NextService and complete 'Actions Taken' box
3. Complete 'Spray Applicators Report' in iAuditor including Reserves checklist
4. Complete Reserves checklist paper form if not using iAuditor
5. Wash truck/clothing if possible contamination has occurred
6. Place respirator filters in airtight container when not in use
7. Make sure all safety gear is cleaned and dried after use

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8. Complete 'Spray Applicators Report' paper form if not using iAuditor, after each day of applying chemical


Wind Speed Guide

Approx. airspeed at nozzle height	Description	Visible Signs	Spraying
Less than 2 km/h	Calm	Smoke rises vertically	Use only medium or coarse spray quality
2 – 3 km/h	Light Air	Direction shown by smoke drift	Avoid fine spray on warm, sunny days
3 – 6 km/h	Light Breeze	Leaves rustle, wind felt on face	Ideal spraying conditions
6 – 10 km/h	Gentle Breeze	Leaves and twigs in constant motion	Good spraying
10 – 15 km/h	Moderate Breeze	Small branches move, raises dust or loose paper	Increased risk of spray drift, avoid fine sprays
15 – 20 km/h	Fresh Breeze	Small trees sway	Extreme caution with any sprays
>20 km/h	Strong Breeze	Large branches sway	Unsuitable for spraying

Source: *Growsafe Manual 2020*

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Public notification sign

 InfraCore Essential Contracting Solutions He Toki Taukari Whakaea	
AGRICHEMICAL SPRAY	
<u>NOTICE</u>	
DATE:	
PRODUCT USED: GLYOPHOSPHATE GREEN 510, SLIKKA AND CONQUEST	
AREA SPRAYED: FENCELINE, TREES PERMANENT STRUCTURES	
APPLICATION TIME:	
DATE/TIME SAFE FOR RE-ENTRY:	
ENQUIRIES: INFRACORE LIMITED 70 VAUGHAN ROAD ROTORUA 07 345 8844	RESERVES MANAGER 027 406 3061 URBAN GARDENS SUPERVISOR 027 236 5259

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8.0 DOCUMENTATION

Job Card
iAuditor
Vault
Next Service
TMP

9.0 IMPROVEMENTS / CORRECTIVE ACTIONS

Should changes be required to this SOP, let the **General Manager: People Capability and Safety** know immediately.