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 <p align="center">Land & Environmental Services COSHH Risk Assessment</p>		Reference Number: CA 809	
		Assessment Date: 23.01.19	Review Date: 23.01.2021
1. Product / Process Details			
Name of Product / Substance Roundup® Pro Vantage Safety Data Sheet Obtained / Enclosed : <input checked="" type="checkbox"/>		Description of activity and/or work process: Herbicide used to control unwanted plants [Parks, open spaces, riverbanks, public areas, paved areas and highways] Product supplied in 5ltr containers, used outdoors. Estimate quantity citywide: 2,500 litres per annum. Product Applied: Knapsack, spray buggy and stem injection.	
Supplier: Monsanto UK Limited PO Box 663, Cambourne, Cambridge CB1 0LD E-mail: safety.datasheet@monsanto.com Contact Tel No: 01954 717550 National Chemical Emergency Centre: 01865 407333		Physical Form (MSDS Section 9): Liquid	
Chemical Ingredients: % composition must be detailed Potassium salt of glyphosate Alkylpolyglycoside Nitrotyl		Exposure Time: Min/ Max Daily exposure: 30 mins - 8 hours Seasonal Activity – April to September	
Microorganisms: N/A			
Persons at risk: <input checked="" type="checkbox"/> Employees <input checked="" type="checkbox"/> Members of public <input type="checkbox"/> Cleaners <input type="checkbox"/> Contractors <input checked="" type="checkbox"/> Young Persons <input type="checkbox"/> New & expectant Mothers			
2. Hazard Classification (MSDS Section 2-3)			
<input checked="" type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Corrosive	<input checked="" type="checkbox"/> Health Hazard/ Hazardous to the ozone layer	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> Flammable	<input type="checkbox"/> Acute Toxicity	<input type="checkbox"/> Serious Health Hazard	
<input type="checkbox"/> Oxidising	<input type="checkbox"/> Hazardous to the Environment	<input type="checkbox"/> Gas Under Pressure	<input checked="" type="checkbox"/> Not Classified
Quantity: <input checked="" type="checkbox"/> Small (g/ml) <input checked="" type="checkbox"/> Medium (kg/litres) <input type="checkbox"/> Large (tonnes/cu.m)	Dust / Fume / Mist (S9): <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	Volatility (S9): <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	Route of Entry (S11): <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Absorption (Skin Contact) <input checked="" type="checkbox"/> Ingestion
Workplace Exposure Limits (WELs) please indicate n/a where not applicable (MSDS – Section 8)			

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Long-term exposure level (8hrTWA): No data available	Short-term exposure level (15 mins): No data available
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Can a less hazardous substance be used to do the same job ?

(The supplier may hold this information)

Yes

☐

No

☒

Interactions with other substances (MSDS – Section 10):

Reacts with galvanised steel or unlined steel to produce hydrogen, a highly flammable gas that could explode.

3. Control Measures

Select control and specify details below as required:

Training staff for proper use/storage of chemical • Use in minimal quantities •
 • Training staff for proper use/storage of chemical • General ventilation • Provision of facilities for washing/changing/storage of clothing • Use in minimal quantities •

Product/Process

Product is supplied in 5 litre containers, mixed and used outdoors in suitable weather conditions.

Person(s) exposed

Employee compliance with safe method of work and accredited training.

PPE provided and worn by employee [Nitrile gloves, disposal coveralls and rubber boots]. Face visor worn when mixing neat concentrate with water and also when using stem injection apparatus.

Contaminated clothing control measures.

Employees advised to cease spraying operation when in close proximity to others i.e. work colleagues, members of public and animals.

Avoid inhalation of fumes, vapour and spray.

Avoid contact with skin and eyes.

Avoid ingestion. Do not smoke, drink or eat during application or when handling product.

Good industrial practice in housekeeping and personal hygiene should be followed, wash hands and exposed skin before handling foods and/or smoking.

Work Equipment

Staff are trained on work equipment [spray buggy, knapsack, stem injection apparatus]

Equipment used at recommended pressure rates, to reduce spray drift and airborne particles.

Environmental Controls

No additional controls required when recommended instructions are followed, no adverse effects are expected.

Training Requirements







Parks Personnel with NPTC Pesticides Certificate of Competence

All personnel - PA01 and PA06a

PA6INJ [Stem Injection]




PA2a [Spray Buggy]

Personal Protective Equipment required when using the substance (state type and standard) (S8)

 <input checked="" type="checkbox"/> Gloves	BS EN 374 Nitrile Gloves (Chemical Hazards)	 <input checked="" type="checkbox"/> Overalls	Type 6 EN13034 Low level spray suit	 <input checked="" type="checkbox"/> Footwear	BS EN 345 Rubber boots (Wellingtons)
 <input type="checkbox"/> Goggles		 <input checked="" type="checkbox"/> Full Face Visor	BS EN 166 (Chemical Hazards) *Required when using neat product or stem injection	 <input type="checkbox"/> Other	


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 <input type="checkbox"/> Full Face Respirator	 <input type="checkbox"/> Half Face Respirator	 <input checked="" type="checkbox"/> Face mask	
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Health surveillance and / or monitoring required?
 If yes please detail: Yes ☐ No ☒

4. First Aid and Emergency Actions (S4, 5, 6)

 General Advice:

Inhalation: If inhalation of vapour, mists or fumes causes irritation of the nose or throat, or coughing remove operator to fresh air. If irritation persists seek medical attention.	Skin Contact: Wash affected skin with plenty of water. Take off contaminated clothes, wristwatch and jewellery. Wash contaminated clothes and clean boots before re-use. Seek medical advice if symptoms persist.
Eye Contact: Immediately flush with plenty of water. If easy to do, remove contact lenses. If there are any persistent symptoms, obtain medical advice.	If Swallowed: Immediately offer water to drink. DO NOT induce vomiting unless directed by medical personnel. If symptoms occur, seek medical attention.

 Fire fighting measures: Contact Emergency Services. Use extinguishing agent suitable for surround fire i.e. water, foam, dry chemical, carbon dioxide (CO2). Minimise use of water to prevent environmental contamination.

Emergency Action:
 RPE ☐ Do not let enter drains ☒ Spillage kit ☒ Other ☐
 (If Other Please State):
 Follow safe method of work, wear appropriate personal protective equipment as recommended. Minimise spread. Keep out of drains, sewers, ditches and waterways. Flush spill area with water for small quantities. Larger quantities of liquid to be contained using absorbent material e.g. sand or vermiculite to prevent entry into drains. Sweep up and place into containers for disposal via licenced waste contractor.

5. Storage Arrangements (S7)

Flammable cabinet ☐ Pesticide Store ☒ Open Bench ☐ Cold storage ☐ Other ☐
 (If Other Please State):
 Keep in original container, tightly closed in a well-ventilated secure store.
 Store at temperatures above 15°C and not exceeding 50 °C.
 Storage Provisions: Stainless steel, fibreglass, plastic, glass lining.
 Keep away from food, drink and animal feeding products.
 Keep out of reach of children.
Do not store in galvanised steel or unlined mild steel containers
 Product reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.

6. Disposal Arrangements (S13)

Hazardous Waste ☒ Skip ☒ Return to Supplier ☒ Other ☐
 (If Other Please State):
 Do not re-use empty containers.
 Dispose of unused product via licensed waste contractor.
 Triple rinsed containers may be disposed of as non-hazardous waste.
 Contract in place for supplier to collect used containers from depots.

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Is exposure adequately controlled?

Yes

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No

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Method Statement Documentation Completed:

Yes

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7. Work Method Statement

All operatives engaged in these activities **must** follow this work method statement and work in accordance with LES Health & Safety Policy.

Product: Roundup® Pro Vantage

COSHH Reference: CA 809

Description: WEED KILLER (Herbicide)

For Use By: Parks Personnel with NPTC Pesticides Certificate of Competence

All personnel - PA01 and PA06a
PA6INJ [Stem Injection]
PA2a [Spray Buggy]

1. Read manufacturer's instructions before use and follow directions.
2. Avoid contact with eyes and skin.
3. Good industrial practice in housekeeping and personal hygiene should be followed at all times when using product. **No** smoking, drinking or eating in work area.
4. Full-face shield BS EN166 (Chemical Hazards) Nitrile gloves BS EN374 (Chemical Hazards) rubber boots (Wellingtons) BS EN345 and spray suit (Type 6 EN13034 Low level spray tight suit).
5. Calculate the application rate/water volume and complete store record sheets.

Knapsack

Fill the spray unit with the half the required amount of clean water, calibrate equipment, open product container and measure the required amount using a clean measuring jug, add product to spray unit avoiding contact with internal components, complete process by adding the remaining required amount of water, replace spray unit cap and tighten. Agitate the spray unit to ensure the product and water is evenly mixed, pressurise unit prior to application and apply herbicide to target plant using lance in accordance with training.

Spray Buggy

Fill the spray unit with the half the required amount of clean water, calibrate equipment, open product container and measure the required amount using a clean measuring jug, add product to spray unit avoiding contact with internal components, complete process by adding the remaining required amount of water, replace spray unit cap and tighten. Agitate the spray unit to ensure the product and water is evenly mixed, pressurise unit prior to application and apply herbicide to target plant using boom and/or lance in accordance with training.

Stem Injection Apparatus

Remove apparatus from storage box, assemble needle to the injection unit, fill container with product using measuring jug to required level, re-attach/secure unit, calibrate equipment and use on target plant.

8. COSHH Assessor

On-site Assessment Undertaken: Yes ☐ No ☒ Date: 24.01.19

Details/Location: NA

COSHH Assessor: [REDACTED]	Signature: [REDACTED]	Contact No: [REDACTED]
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COSHH matrix updated and original document passed to Officer for inclusion in management system

Yes ☐ Date:

COSHH Co-ordinator: [REDACTED]	Signature: [REDACTED]	Contact No: [REDACTED]
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9. Approval for Use – Authorisation by Manager

I confirm that I have considered and understand the substance to be used and the associated hazards. I am satisfied that all of the hazards have been identified and that the control measures to be followed will reduce the risks to as low as reasonably practicable.

Print Name:

Signed:

Date:

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COSHH RECORD OF INSTRUCTION

Product / Substance:	Roundup® Pro Vantage	Ref No: LC 809
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Declaration by Manager/Supervisor

I confirm that the employee who has signed below is competent to undertake the work. My counter-signature indicates that I am happy for the work to proceed.

Declaration by Employee

I confirm that I have read this COSHH Assessment and that I understand the hazards and risks involved and will follow all of the safety procedures stated.

Employee Name [please print]	Signature	Manager/Supervisor countersignature	Date

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