






Pesticide Toxicity Report

CPS2017-0510

SPC on Community &
Protective Services
2017 June 7



Council Direction

MOTION ARISING, 2016 November 07

Direct Administration to evaluate pesticide toxicity as part of the Integrated Pesticide (sic) Management Plan review, with the goal of eliminating the more toxic pesticides from use on city land. As well, include members of the public who are health professionals or from health organizations as part of the review team and return to City Council, through the SPC on Community and Protective Services, no later than 2017 Q2 on the progress made.

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CITY OF CALGARY
RECEIVED
IN COUNCIL CHAMBER

JUN 07 2017

ITEM: 4.2 CPS2017-0510
Distribution

CITY CLERK'S DEPARTMENT

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Background

Pesticide authority

Pest Management Regulatory Agency (of Health Canada)

Pesticide definition

Pesticide: controls pests; includes herbicides, insecticides, fungicides, pool chemicals, insect repellents, etc.

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Findings

↓ Risk = ↓ toxicity x exposure
or

↓ Risk = toxicity x ↓ exposure

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Managing risk: 3 tiers of risk reduction

1. Federal regulations (Health Canada)
2. Provincial regulations (Alberta Environment and Parks)
3. City policy (Integrated Pest Management Plan and Policy)



Stakeholder perspectives on pesticide use

1. Voluntary pesticide use restrictions: stakeholders support an integrated approach (ie: judicious use of pesticides) to manage pests
2. Non-voluntary pesticide use restrictions: stakeholders support some degree of regulatory (ie: bylaw) pesticide restriction



Conclusion

1. Pesticide use reduction

The level of pesticide exposure risk to Calgarians from The City's use of pesticides is acceptable; The City must strive for continued risk reduction strategies

2. Integrated Pest Management Plan revision

The City will update current policies and procedures for pest management including broad professional and public engagement

3. Accountability

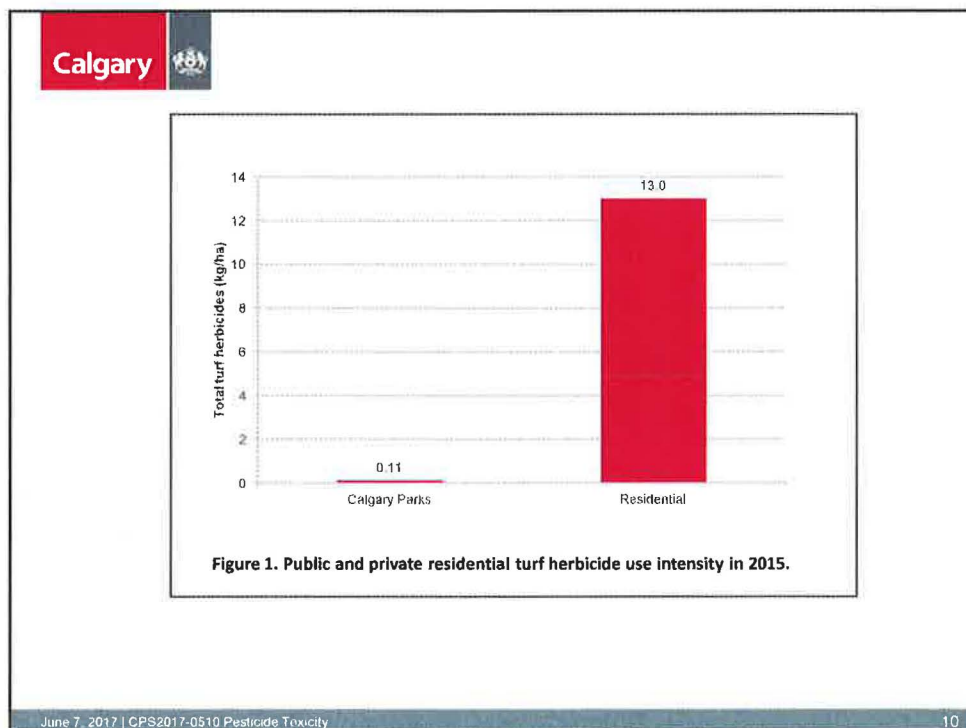
The City will improve its public accountability through regular reporting of pesticide use and promote its pesticide reduction strategies



Administration Recommendations

That the SPC on Community and Protective Services recommends that Council:

1. Receive this report for information; and
2. Direct Administration to use the Pesticide Toxicity Report to inform the update to the Integrated Pest Management Plan and Policy.



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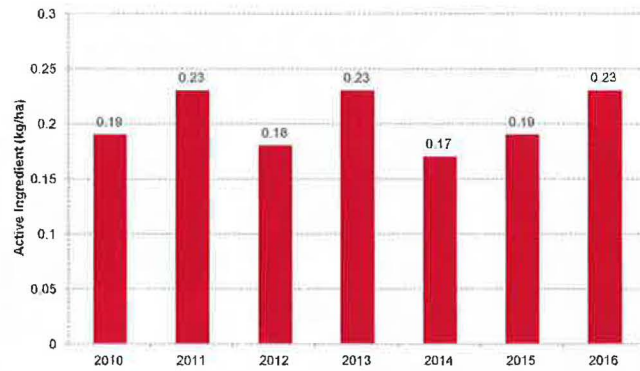


Figure 2. Herbicide use intensity by The City of Calgary from 2010-2016, expressed as active ingredient per hectare. In 2010, the Weed Control Act was updated to reflect provincial priority weed species.