

Park Playgrounds Alternative/Non- traditional herbicide trial



Park Playgrounds

A large orange circle is positioned on the left side of the slide, partially overlapping the white background. The text 'Presentation goals' is written in white, sans-serif font inside this circle.

Presentation goals

1. Provide background on park playgrounds and maintenance challenges

2. introduce salt and vinegar weed control within the City's IPM (Integrated Pest Management) goals and principles



Parks & Recreation
CITY OF ANN ARBOR

playgrounds

- How many playgrounds do we have in our city parks?
- Woodchip surfacing
- Chemical free-no use of Roundup or other sprays for controlling weeds



Playground maintenance

- Weediness does not look great-- can give appearance that we aren't caring for our playgrounds (not true!) but is also a safety concern
- GIVE 365 volunteers spend a lot of time working in playgrounds





Managing playground weeds

Strategies

- Hand pulling
- Digging out and removing top layers
- Smothering or topping off with new woodchips



Hand pulling weeds



Digging out and removing top layer

Adding woodchips



Playgrounds

- 45 events held in playgrounds
 - Weeding
 - Spreading woodchips into a safe play surface
- 582 volunteers participated in playground workdays
- 893 volunteer hours recorded
- 33 playgrounds resurfaced



Love a Park Day at Windemere Park




Sigma Chi at Longshore Park



DTE at Winewood Thaler Park



Salt & vinegar

- Popular homemade weed killer
 - ‘natural chemical’
 - Still a pesticide—(applied to kill or control plant/animal life)
- 



Integrated Pest Management (IPM) In Our City Parks

Pests in our Parks

Any noxious/invasive plant, problem insect, plant disease, rodent, nematode or microorganism that is detrimental to the environment or the management plan for the selected park or facility.



What is IPM?

Integrated Pest Management – *A long-term pest management system that uses all suitable techniques for the prevention or suppression of pests that are harmful to the health, function or aesthetic value of City-owned landscapes, buildings and facilities in a safe, efficient, effective, and environmentally responsible manner. We can often accomplish this through accurate pest identification, frequent monitoring for pest presence and impact, applying appropriate action thresholds, and by making the habitat less conducive to pests using mechanical, cultural, physical and biological controls. If none of these is effective, only then might we consider using an appropriate pesticide.*



What is IPM?

Integrated Pest Management

1. Prevention
2. Mechanical Controls
3. Cultural Controls
4. Physical Controls
5. Biological Controls
6. Innovative Solution
7. Chemical Controls
8. Evaluation



Ann Arbor Parks & Recreation

Salt & Vinegar WEED CONTROL

Ann Arbor Parks & Recreation weed control is made from grocery store grade vinegar and salt. There are **no added or proprietary ingredients**.



Any substance used to kill, repel, or control certain forms of plant or animal life are considered a pesticide. The City of Ann Arbor follows **Resolution R-705-12-91** which outlines pesticide policy and use on City property. This product is registered with the State of Michigan as a minimum risk pesticide and is exempt from federal registration under the Federal Insecticide, Fungicide, and Rodenticide Act.

RECIPE: 1 GALLON VINEGAR AND 1 CUP OF SALT



Even household ingredients require responsible use and caution. Staff are recording application details and results. This strategy is intended to be used in addition to our primary method of hand pulling.

Questions or feedback contact GIVE 365, email volunteer@a2gov.org or call 734.794.6445.

Visit www.a2gov.org/parkinitiatives



Parks & Recreation
CITY OF ANN ARBOR



Salt- vinegar

- Registered with the State of Michigan
- FIFRA 25 (b), minimum risk pesticide
- Exempt from federal registration & EPA regulation
- Included in our IPM plan

Active Ingredient:	
Sodium chloride.....	10.00%
Other ingredients:	
Vinegar (maximum 5% acetic acid in solution)	5.00%
Water	85.00%
Total:	100.00%

NOTICE OF PESTICIDE APPLICATION

Spot weed control

HERBICIDE USED:

Salt and vinegar weed control

Active Ingredient:	
Sodium chloride.....	10.00%
Other ingredients:	
Vinegar (maximum 5% acetic acid in solution)	5.00%
Water	85.00%
Total:	100.00%

APPLICATION DATE	TARGET PLANT(S)
	Playground weeds: Thistle, curly dock, dandelion, quack grass and other

This herbicide's EPA rating is: Caution (low toxicity)

A pesticide is defined as any substance used to kill, repel, or control certain forms of plant or animal life. Even household ingredients require responsible use and caution. This product is registered with the State of Michigan as a minimum risk pesticide and is exempt from federal registration under the Federal Insecticide, Fungicide, and Rodenticide Act.

Ann Arbor Park & Recreation is piloting the effectiveness of salt and vinegar as weed control in playgrounds to supplement hand pulling efforts. Managing weeds within the woodchipped areas can extend the life and effectiveness of the safety surfacing. This alternative herbicide treatment is a strategy within the parks Integrated Pest Management plan in accordance with Resolution R-705-12-91 which outlines pesticide policy and use.

VOLUNTEER OPPORTUNITIES | OUTREACH AND PARTNERSHIPS



734.794.6445 VOLUNTEER@A2GOV.ORG

A2GOV.ORG/VOLUNTEER



Resolution R-705-12-91

- Signage requirements (state and local)
- Pesticide is any substance used to kill or control plant or animal life
- Intending to use on 5-7 playgrounds this summer

Questions?
