

# FIESTA TURF WEED KILLER

FIELD TRIAL REPORT  
PRESENTATION

# Purpose of the study

1. Test a new, low environmental impact, low toxicity herbicide
2. Acquire approval for use in the City of Seattle
3. Add an effective tool to the IPM arsenal for controlling broadleaf weeds in turf

# Survey Method

Two facilities were selected in response to customer requests to reduce weeds. Uneven turf and high bee populations make them unattractive and less inviting for sunbathing and children playing at the pool, and dog-walking at the animal shelter.

Both lawns had more than 60 percent broadleaf weeds.

Spring fertilizer applications were made several weeks prior to herbicide use.

# Mounger Pool

- This public outdoor pool in Magnolia, open during the summer months, is very popular and has a small lawn.
- Summer maintenance is limited to mowing by pool staff
- Off-season care provided by park district staff includes turf management activities: fertilization, aeration, thatching, and overseeding.
- The automatic irrigation system is inconsistent.
- Weed species include moss, dandelion, buttercup, plantain, clover and bird's foot trefoil. The total square footage of turf is 4600 sf.

# Application Data

## Mounger Pool

<u>Date</u>	<u>Area</u>	<u>Quantity</u>
April 11	1200 sf	4 gallons
April 13	3400 sf	12 gallons
Sept 13	1200 sf	6 gallons

# Observed results

Foliar burn on all weeds

Established weeds recovered within a few weeks

Overall reduction of targeted species:

Bellis daisy 60%                      Plantain 40%

Buttercup 20 to 40%      Clover 30 – 50%



**Birds foot trefoil - *Lotus corniculatus***











# Animal Shelter

- The Animal Shelter in Interbay has a small lawn of 3200 square feet
- Shelter volunteers like to walk the dogs on it.
- Located on the main street in front of the sign, it serves as the “welcome mat” to the facility.
- It has a good irrigation system and sunny exposure.
- The weeds in this lawn include dandelion, buttercup, clover and bellis daisy.

# Application Data

## Animal Shelter

<u>Date</u>	<u>Area</u>	<u>Quantity</u>
April 11	3200 sf	12 gallons
June 27	1400 sf	6 gallons
Sept 13	600 sf	3 gallons

# Observed results

Freshly mowed turf reduced leaf area which affected absorption

Third application focused on targeted species

Spot treatment of dandelions and plantain improved results







Treated once

Treated twice





SEATTLE ANIMAL

SEATTLE  
animal shelter  
← Parking  
Dogs & Cats for Adoption!

Elliott Bay  
animal hospital

Treated 3 times

# Observations

Factors affecting the efficacy of applications:

- Weather conditions
- Turf vigor and weed establishment
- Application rate
- Timing of repeat applications

# Recommended strategies

Use a surfactant to improve coverage

Second application about 3 weeks after first

Product is more effective on less established plants

Third application will improve efficacy on established populations.

# Conclusion

As part of a comprehensive integrated turf management program, FIESTA can be a valuable tool for control of weeds in a healthy active turf.