

# **SureGuard Training**

**9/5/2014**

**Bobby Santana**

**Regional Sales Manager**



# SureGuard



- Common name: flumioxazin
- Mode of action: PPO inhibitor
- Annual broadleaf and grassy weeds
- Formulation: SG 51 WDG
- SureGuard Package size: 1 and 5 lb.

# SureGuard Herbicide



# Wide variety of weeds (90+) including:



Spurge (*Euphorbia*)



Bittercress (*Cardamine*)



Groundsel (*Senecio*)



Crabgrass



Common Chickweed



Woodsorrel (*Oxalis*)

# Long Lasting Residual Control



**Photos taken  
3 months  
after application!**



**Surflan + Gallery**



***SureGuard 12 oz/A***

**Treated: April 5**

**Photo: July 28**

**4 months control!!**



**Treated: April 5**  
**Photo: July 28**

**4 months control!!**



## Pre-emergence Application

- Forms a layer on the surface of the ground
- Weeds germinate and contact the herbicide
- After weeds contact the herbicide and are exposed to sunlight cell membranes are disrupted and seedlings die

## Post-emergence Applications

- Minor post-emergent activity. Contacts plant tissue (not translocated - needs good coverage)
- After treated plants are exposed to sunlight cell membranes are disrupted and plants die
- Mix with Glyphosate for best results.

***Treated: April 5***  
***Photo: July 28***

***4 months control!***



***SureGuard does not stain***



## Product Characteristics and Distinctiveness

- No root pruning
- Easy to measure and dust free formulation
- No odor

# *SureGuard Fast & Effective*



0-24 HrAT

**SureGuard + Glyphosate**

**Glyphosate**

# SureGuard Fast & Effective



**SureGuard + Glyphosate**

**Glyphosate**

# SureGuard Fast & Effective



2-DAT

**SureGuard + Glyphosate**

**Glyphosate**

# *SureGuard Fast & Effective*



3-DAT

**SureGuard + Glyphosate**

**Glyphosate**

# *SureGuard Fast & Effective*



4-DAT

**SureGuard + Glyphosate**

**Glyphosate**

# SureGuard Fast & Effective



7-DAT

**SureGuard + Glyphosate**

**Glyphosate**

## Product Characteristics and Distinctiveness

- **Wide Spectrum of weed control**
  - ✓ **Controls annual grass and broadleaf weeds**
- **Long residual control (several months)**

# Figure 1. Mature artillery fern weed.



## Figure 2. Artillery fern before treatment with Prosecutor Pro + Sureguard.



Figure 2. Artillery fern 4 days after treatment with Prosecutor Pro + Sureguard.



Figure 3. Artillery fern 4 weeks after treatment with Prosecutor Pro + Sureguard.



**“FOLLOW THE  
GLYPHOSATE”**

- Best to apply on top of mulch
- Only apply around healthy plants that are established - Direct the spray solution at the base of plants.
- **Do not apply**
  - Directly to herbaceous plants
  - In areas where annual plants will be planted for 2 months

## Product Characteristics and Distinctiveness

- Not highly water soluble (doesn't move into turf)
- Binds tightly, yet provides a barrier
- Not volatile
- Active ingredient is broken down by microbes

**Thank you!!**

**Questions?**

**Bobby Santana, Territory Manager**

