

Green Solutions Program

Bermudagrass Lawn Management Calendar

Bermudagrass lawns enhance landscape aesthetics but a number of pests can impact bermudagrass performance. Envu offers a variety of solutions to control problematic weeds, insects and diseases that diminish turf quality.

Weeds

Weeds disrupt turf uniformity in bermudagrass lawns, causing callbacks and threatening customer retention. Weed seeds survive a long time in soil and germinate when conditions become favorable. Upon germination, they can quickly become problems in lawns. Turf managers should use preemergence and postemergence herbicides as part of a comprehensive weed management program.

Preemergence - **Specticle® FLO** is an effective, long-lasting preemergence herbicide. Applied prior to weed seed germination, Specticle FLO provides a strong defense against more than 90 difficult weeds.

Postemergence - **Celsius® WG**, **Celsius XTRA**, and **Tribute® Total** are selective postemergence herbicides, each with multiple modes of action, providing broad-spectrum control of broadleaf weeds, grasses and sedges. **Revolver®** Herbicide grassy weed herbicide and is particularly effective at controlling *Poa annua* and goosegrass.

PRE3 Combination - A tank-mix of Specticle + Tribute Total + Simazine offers excellent *Poa annua* herbicide resistance management and consistent winter weed control.

| Key Weeds | Preemergence | Postemergence* | | | |
|-------------------------|---------------|----------------|--------------|---------------|----------|
| | Specticle FLO | Celsius WG | Celsius XTRA | Tribute Total | Revolver |
| Annual Lespedeza | | X | X | | |
| Annual Sedge & Kyllinga | X | | X | X | |
| Perennial sedges | | | X | X | |
| Chamberbitter | | X | X | | |
| Crabgrass | X | X | | X | X |
| Dallisgrass | | X | | X | X |
| Dollarweed | | X | X | X | |
| Doveweed | X | X | X | X | X |
| Fireweed | X | X | X | X | |
| Goosegrass | X | | | X | X |
| Henbit | X | X | X | X | X |
| Oxalis | X | X | X | X | |
| Poa annua | X | | | X | X |
| Purple Nutsedge | | | X | X | |
| Rescuegrass | | X | | X | |
| Spurge | X | X | X | X | |
| Virginia Buttonweed | | X | X | X | |

*Best postemergence results occur on younger weeds and some weeds may require additional applications.



Poa annua



Kyllinga



Doveweed



Virginia Buttonweed

Insects

Insects injure bermudagrass either directly through feeding or indirectly from tunneling. Sod webworms and fall armyworms are moth larvae that feed on bermudagrass leaves and white grubs and billbug larvae feed on bermudagrass roots. Imported fire ants pose a health risk to humans and pets and create unsightly soil mounds on lawns.

- **Barricor® SP** is a Type II pyrethroid, distinctly different than commonly used bifenthrin, with quick knockdown of many lawn pests. **Tetrino®** and **Merit®** are systemic insecticides that provide season-long control of white grubs, sod webworms, fall armyworms and billbugs.
- A single application of **TopChoice®** provides guaranteed* year-long control of imported fire ants. It also provides short-term control of other pests such as nuisance ants, mole crickets, fleas and ticks.

Diseases

Diseases are caused by fungi that attack bermudagrass at certain times of the year. Most soil-borne diseases, such as large patch and take-all root rot, become active following periods of prolonged soil saturation and moderate temperatures. Foliar diseases such as dollar spot and leaf spot can also cause problems on bermudagrass as well.

- **Armada® 50 WDG** is a broad-spectrum fungicide solution for lawn diseases, particularly tough diseases, such as large patch and take-all root rot. Armada 50 WDG is also proven to promote plant health during times of stress.

Bermudagrass Solutions Calendar

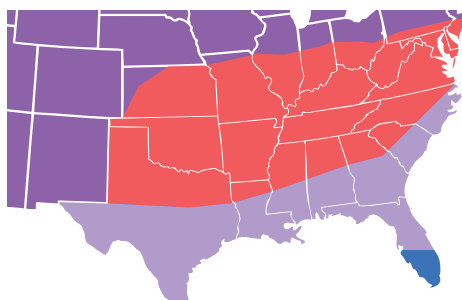
Transition & Gulf Atlantic Zones*

| Pest | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|----------|---------------------------------|------------------|--|---|-----|---------------------|---------------------------------|------------------|-----------|-----------|------------------|-----|
| Weeds | PRE – Specticle | | Specticle | Split App | | | | | Specticle | Split App | | |
| | OR | | | | | | | | | | | |
| | PRE3 Combination | | | | | | | | | | PRE3 Combination | |
| | POST | | Celsius, Celsius XTRA, Tribute Total, Revolver | | | | | | | | | |
| Insects | Fire Ants & Mole Crickets | Preferred Timing | | TopChoice - 12 Month Fire Ant Control; 4 Month Mole Cricket Control | | | | | | | | |
| | Sod Webworms & Armyworms | | | | | Barricor or Tetrino | | | | | | |
| | White Grubs & Billbugs | | | | | | Tetrino or Merit (Preventative) | Dylox (Curative) | | | | |
| Diseases | Take All Root Rot & Large Patch | | Armada | | | | | Armada | | | | |
| | Dollar Spot & Leaf Spot | | | | | Armada | | | | | | |

Tropical Zone*

| Pest | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|----------|---------------------------|------------------|-----------|----------------------------------|--|-----|-------------------------|-----|-----|-----|------------------|-----|-----|
| Weeds | PRE | | Specticle | Split App | | | | | | | | | |
| | POST | | | Celsius, Tribute Total, Revolver | | | | | | | | | |
| Insects | Fire Ants & Mole Crickets | Preferred Timing | | | TopChoice - 12 Month Fire Ant Control; 4 Month Control Mole Cricket | | | | | | Preferred Timing | | |
| | Sod Webworms & Armyworms | | | | | | Barricor and/or Tetrino | | | | | | |
| Diseases | Take All Root Rot | | | Armada | | | | | | | | | |
| | Large Patch | Armada | | | | | | | | | Armada | | |

*Contact your Envu Area Sales Manager for specific timings, rates and frequencies.



Gulf Atlantic Zone
 Transition Zone
 Tropical Zone

**The guarantee is limited to the remedy of a retreatment of the treated area. If this product does not perform to your satisfaction, please contact Envu Customer Service at 1-800-331-2867 for product for the retreatment.

***Contact your Envu Area Sales Manager for specific timings, rates and frequencies (us.envu.com/turf-and-ornamentals-management/find-your-envu-rep).