

Zoysiagrass Lawn Calendar

Transition Zone



Lawns enhance the landscape, improve property values, and decrease air temperature, so maintaining lawns with good cultural practices and judicious use of pesticides makes sense to maximize performance and benefits. Envu offers a variety of solutions to control problematic weeds, insects, and diseases that help preserve the benefits turfgrass provides to the places we live, work, and play.

Preemergence Weed Control

- Preemergence herbicides must be applied prior to germination to be effective on targeted weed species. Sequential applications improve control over single applications and applications should be watered-in to maximize control and limit off-site movement.
- Crabgrass, sandbur, prostrate knotweed, or spurge germinate in spring, so preemergence herbicide applications should be timed prior to 4" soil temperatures of approximately 55°F for five days. Spring applications of **Specticle® FLO** or **Echelon®** can prevent germination of summer grassy and broadleaf (BDLV) weeds.
- Winter annuals like annual bluegrass, chickweed, and henbit germinate in the fall. Fall applications of **Specticle FLO** or **Echelon** can prevent germination of winter grassy and BDLV weeds with late summer/early fall applications at 4" soil temperatures at 70°F.

Preemergence + Postemergence Annual Bluegrass Control

- The most flexible and effective control for annual bluegrass is with a combination of pre- and postemergence herbicides in the fall.
- The **Dual Defense** program combines **Specticle FLO** and **Celsius®** with applications timed for mid-September to mid-October to prevent germination and control young annual bluegrass plants that have already germinated.
- Control slightly later in mid- to late fall is most effective with the **PRE3** program that combines **Specticle FLO** with **Tribute® Total** and an additional mode of action product, such as simazine or glyphosate, to provide flexibility in application timing.

Postemergence Weed Control

- Summer and winter grassy and BDLV weeds are best controlled by postemergence herbicides when plants are small but actively growing.
- Summer annual grassy and BDLV weeds are best controlled in late spring/early summer with **Celsius**, **Celsius® XTRA**, **Tribute Total** or **Acclaim® Accelerate**.
- Winter annual grassy weeds and BDLV weeds are best controlled in fall or early spring with **Celsius**, **Celsius XTRA**, **Tribute Total** or **Xonerate®**.
- Sedges and kylling as emerge primarily in spring. **Celsius XTRA**, **Tribute Total** or **Dismiss®** are most effective applied shortly after emergence and usually require multiple applications for optimal control.

Insect Control

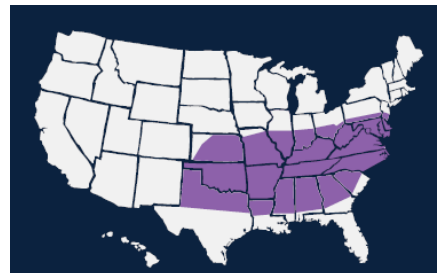
- White grubs are usually controlled with preventative applications made at the first sign of adult flight in the spring. New formulations like **Durentis™** allow flexible timing of applications well before white grub adults appear and provides lasting control. **Merit®** has been the industry standard for white grub preventative control. Though curative applications are usually inefficient, **Dylox®** is the industry standard and provides quick knockdown of white grubs.
- Applications of **Durentis** should be made in the spring (at first sign of adults) for season-long control of caterpillars including fall armyworms, cutworms, and sod webworms. Certain products can provide quick knockdown of caterpillars like **Talstar®** (no residual) or **Triple Crown®** (some residual control).
- Billbugs appear earlier than annual white grubs and have multiple generations. **Tetrino®** or **Merit** applied at first sign of adults is most effective for preventative control.
- Monitor for chinch bugs throughout the summer with soap flushes or watch for insect damage that mimics drought stress. Applications of **Triple Crown** or **Talstar** can provide quick knockdown and residual control (**Triple Crown**) of chinch bugs throughout the summer.
- Fire ant mounds can be unsightly, and their stinging makes them a human nuisance while mole crickets can cause significant damage to turf areas. **TopChoice®** is the industry standard for season-long control of existing fire ant populations and mole crickets. **TopChoice** is a restricted use product; refer to label for more information. **Triple Crown** or **Talstar** can provide quick knockdown of fire ant populations.

Disease Control

- Large patch typically develops with high soil moisture and when 2" soil temperatures decline to below 70°F. Applications of preventative fungicides, like **Armada®** or **Fame®**, in the fall when conditions are conducive for disease development.
- Leaf spot is most problematic during rain events when prolonged cloud cover and leaf wetness is present. Use lower rates of **Armada** or **Fame** when applied preventatively and use higher rates when making curative applications.

Mosquito Control

- Mosquito control can be accomplished early in early spring with larvicides (**methoprene**, **pyriproxyfen**) applied to standing water or adulticides (**Scion®** or **Talstar**) applied as barrier treatments late spring through the fall.



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Zoysiagrass: Transition Zone		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
Lawn care Schedule	Round 1														
	Round 2														
	Round 3														
	Round 4														
	Round 5														
	Round 6														
	Round 7														
Preemergence Weeds	Summer Grasses/BDLV	Split-apps 50% rate 6-8 weeks apart; Specticle® FLO or Echelon®													
	Winter Grasses/ BDLV											Split-apps 50% rate 6-8 weeks apart; Specticle FLO or Echelon			
PRE + POST	Dual Defense											Specticle Flo split apps. + Celsius®			
	OR	OR													
	PRE3											Specticle FLO + Tribute Total®			
Postemergence Weeds	Summer Grasses/BDLV	Celsius, Celsius® XTRA, Tribute Total or Acclaim® Accelerate													
	Winter Grasses/BDLV	Celsius, Celsius XTRA, Tribute Total or Revolver®										Celsius, Celsius XTRA, Tribute Total, Revolver or Xonerate®			
	Sedges				Celsius XTRA or Tribute Total				Dismiss®						
Preventative Insects	White Grubs/Billbugs/ /Caterpillars				Durentis™, Tetrino® or Merit®						Durentis				
	Fire Ants/Mole Crickets				TopChoice®										
Curative Insects	White Grubs/Caterpillars				Dylox® or Triple Crown®										
	Cinch Bugs									Triple Crown or Talstar®					
	Fire Ants				Triple Crown, Talstar or TopChoice										
Diseases	Large Patch/Leaf Spot	Fame® or Armada®													
Mosquitoes	Sprays				Larvicides (methoprene or pyriproxyfen)		Adulticides (Scion® or Talstar)								

Need more info? – Read and follow all label directions. Contact your Envu Area Sales Manager if you need assistance for specific recommendations for your situation

ALWAYS READ AND FOLLOW LABEL INSTRUCTIONS

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