

Weed Management by Justin Stefanski UT/TSU Extension

Types of Weeds

- Broadleaf Weed
- Grassy Weeds
- Sedges

Life Cycles of Weeds

- **Winter Annuals**- Germinate from seed in late summer and early fall
- **Summer Annuals**- Germinate from seed in spring and summer
- **Perennials**- Stay living for multiple seasons and rejuvenate indefinitely from bulbs, stolons, rhizomes, nutlets or seeds

Types of Herbicides

- **Pre-emergent**- used to prevent seedlings from germinating or inhibit seedling root development
- **Post-emergent**- used to control actively growing annual and perennial weeds
- **Selective**- Target only specific weeds such as broadleaf, grasses or sedges
- **Non-Selective**- Will kill all vegetation and does not have a target weed that it controls

When to Apply Pre-Emergent Herbicides

- **Pre-emergent**- September 15 - October 1 for winter annuals and February 1 - March 15 for summer annuals
- **All pre-emergent herbicides must be activated by 1/2" of water within 24-48 hrs. after application**

Herbicides

Common Pre-Emergents		Brand Name Examples
dithiopyr		Dimension
pendimethalin		Scott's Halts, Pendulum
benefin		Balan
proflaminate		Barricade
Grass Post-Emergent		EXAMPLES
Active Ingredient	Brand Name	Notes
Sethoxydim	Hi-Yield Total Grass Killer®	Spot treat only; kills all grass including turf
Quinclorac	Drive® Q4® (includes broadleaf killer)	Crabgrass Crabgrass + broadleaves
Fenoxaprop	Acclaim®	Crabgrass, goosegrass, bermudagrass suppression
Fluazifop	Fusilade II®	Bermudagrass suppression
Triclopyr	Turflon Ester®	Bermudagrass suppression; some broadleaf activity
	Acclaim® + Turflon Ester® tank mixed	May give some dallisgrass control in tall fescue
Sedge Control		EXAMPLES
Active ingredient	Brand name	Notes
Halosulfuron	SedgeHammer®	Always use non-ionic surfactant in spray mix
Bentazon	Basagran T/O®	

Broadleaf Control		EXAMPLES
Active Ingredients	Brand Names	Notes
2,4-D; MCPP; dicamba	Trimec®; ferti-lome Weed-Out®	
2,4-D; MCPP; dicamba; carfentrazone	SpeedZone®; ferti-lome WeedFreeZone®	Increased cool weather activity (50° to 40°F)
MCPA; MCPP; dicamba; carfentrazone	Bonide Weed Beater Ultra®	Increased cool weather activity (50° to 40° F)

Common Tennessee Weeds

Crabgrass



Goosegrass



Dallisgrass



Yellow Nutsedge



Mouse-Ear Chickweed



Common Chickweed



Henbit



Purple Deadnettle

