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LAWN ESTABLISHMENT FOR PIEDMONT NORTH CAROLINA

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Which Grass is best?

- Warm Season Grasses
- Pros and Cons
 - Bermuda
 - Zoysia
 - Centipede
 - St. Augustine

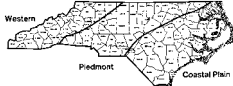


Figure 1. Area of adaptation of turfgrasses in North Carolina.

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Which Grass is best?

- Cool Season Grass
 - Annual ryegrass
 - Perennial ryegrass
 - Bluegrass
 - Creeping or hard fescues
 - Fescues-turf type





Figure 1. Area of adaptation of turfgrasses in North Carolina.

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Be careful not to introduce weeds with sod

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Many problematic weeds are introduced on container grown ornamentals

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Dogwoods are not a good indicator species for pre-emergence crabgrass application

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**Major Preemergence
Crabgrass/Goosegrass Herbicides**

Dinitroanilines - DNAs:
proflaminate (Barricade)
oryzalin (Surflan)
pendimethalin (Pendulum, Pre-M, etc.)
Team Pro (trifluralin + benefin)
XL (oryzalin + benefin)

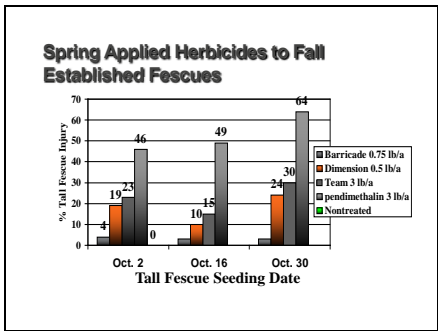
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**Spring Preemergence Herbicide
Applications to Fall Established
Lawns**

Certain labels caution against it.

Safety depends on root growth
and establishment.

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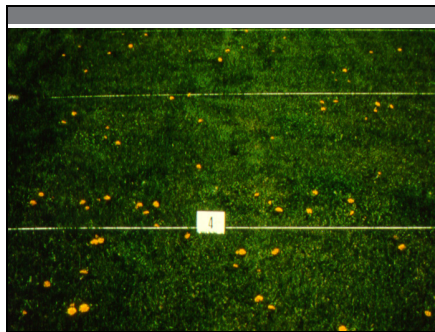


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**PREEMERGENCE
CONTROL AT
TIME OF SEEDING**

Siduron (Tupersan)


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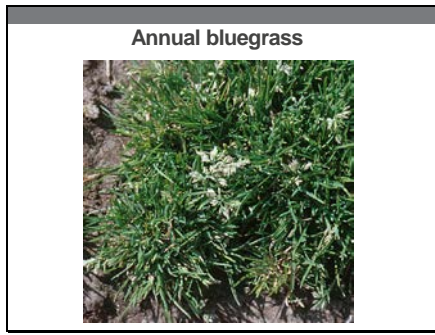
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Post emergence Weed Control

- Kills mainly broadleaf weeds
- Old formulations still work
- Weeds can be tough to kill
- Injurious to plant material
- Can be blended with fertilizer



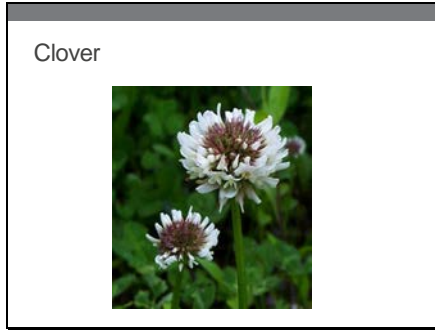
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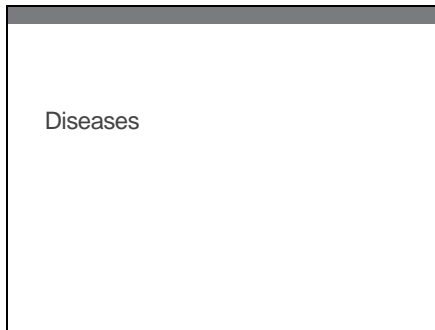
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Insect problems

- Grubs are a major problem
 - Attract moles and other predators
 - Control measures for grubs
 - Granular diazinon, dursban, Merit
- Wasps, bees others
 - Yellow jackets
 - Scold wasps



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Soil Temps For Weed Germination

Weed Species	Critical Soil Temp (°F)
Crabgrass (Large and Smooth)	55
Goosegrass	60
Barnyardgrass	60
Foxtails (Yellow or Green)	65

From Managing Turfgrass Pests, Watschke et al.

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