



## **Turfgrass Selection**

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### **I. Bermudagrasses:**

- A. Seeded bermudagrasses:
  - 1. Arizona common
    - \* standard to compare new varieties to
    - \* numerous types of Arizona common
  - 2. Princess -77
    - \* F-1 hybrid that can be seeded
    - \* ranked very high in national trials
    - \* fine textured, dark green color
    - \* slow germination
    - \* good drought tolerance
  - 3. Yukon
    - \* OSU turfgrass breeding program development
    - \* improved cold tolerance
    - \* resistance to spring dead spot
    - \* slow to establish
  - 4. Riviera
    - \* OSU turfgrass breeding program
    - \* improved cold tolerance
    - \* good spring dead spot resistance
    - \* slow to establish
  - 5. Sultan
    - \* ranked medium to high in most turfgrass trials
    - \* good shoot density
    - \* good green color
    - \* lower growing than most common types

6. Other new seeded bermudagrasses:
  - a. Southern Star
  - b. Primavera
  - c. Miarage
  - d. NuMex Sahara
  - e. Triangle ( blend )
    - \* Sultan
    - \* Sydney
    - \* Mohawk

B. Hybrid/Vegetative bermudagrasses:

1. Tifway 419
  - \* hybrid – natural selection
  - \* standard hybrid in the industry for golf courses and sports fields
  - \* contaminated sod fields can be a problem
2. TifSport
  - \* gamma-irradiated mutant of Midiron
  - \* similar to Tifway
  - \* improved cold tolerance
  - \* slow recovery from wear reported?
3. GN-1
  - \* hybrid bermudagrass
  - \* developed in Australia
  - \* rapid establishment
  - \* rapid recovery from wear
  - \* excess stolon growth
  - \* thatch can be a problem
4. Celebration
  - \* common bermudagrass selection
  - \* rapid establishment
  - \* rapid stolon growth
  - \* not a lot of data to support claims, is in NTEP trials at this time
  - \* tends to thatch
5. Baby
  - \* rapid establishment
  - \* improved cold tolerance
  - \* poor color tolerance in our alkaline soils
6. Patriot
  - \* hybrid, from OSU turfgrass breeding program
  - \* improved cold tolerance
  - \* good, rapid establishment
  - \* improved resistance to spring dead spot
7. Quickstand
  - \* common
  - \* excellent cold tolerance
  - \* medium leaf texture, not as fine as Tifway and TifSport
8. Premier
  - \* new hybrid release from Texas A&M University program
  - \* fine textured
  - \* dark green color

## II. St. Augustinegrasses

1. Texas Common
  - \* still sold by sod growers
  - \* susceptible to chinch bugs, brown patch and SADV
  - \* medium texture, medium green color
  - \* fair cold tolerance

2. Raleigh St. Augustinegrass
  - \* medium texture, good green color
  - \* improved cold tolerance
  - \* susceptible to brown patch, chinch bugs and gray leaf spot
  - \* resistant to SADV virus
  - \* large percent of sod sold in Texas is Raleigh
3. Floratam St. Augustinegrass
  - \* coarse textured, rapidly growing grass
  - \* resistance to SADV virus and chinch bugs in Texas
  - \* less susceptible to brown patch and gray leaf spot
  - \* good to excellent drought tolerance
  - \* very poor cold tolerance
4. Delmar
  - \* good cold tolerance
  - \* improved shade tolerance
  - \* more susceptible to brown patch
  - \* susceptible to chinch bugs
  - \* resistance to SADV virus
5. Seville
  - \* semi-dwarf type St. Augustinegrass
  - \* poor cold tolerance
  - \* good shade tolerance
  - \* susceptible to brown patch, chinch bugs and gray leaf spot
  - \* resistant to SADV virus
6. Palmetto St. Augustinegrass
  - \* good, green color, medium textue
  - \* good cold tolerance, similar to Raleigh
  - \* improved drought tolerance?
  - \* improved shade and drought tolerance?
  - \* resistance or susceptibility to SADV virus still being debated
7. AmeriShade St. Augustinegrass
  - \* low growing variety
  - \* good to excellent shade tolerance
  - \* good green color
  - \* due to dwarf growth habit, thatch can be a problem
  - \* cold tolerance similar to Raleigh
  - \* resistant to SADV virus
  - \* susceptible to chinch bugs

### III. Zoysiagrasses:

- A. Zoysia japonica
  1. Palisade
    - \* medium texture, high density
    - \* low irrigation requirements
    - \* susceptible to brown patch
    - \* ranked high in several turfgrass trials in Texas
  2. Crowne
    - \* improved drought tolerance
    - \* coarse textured, good density
    - \* improved cold tolerance
    - \* good, low maintenance grass

3. El Toro
    - \* medium to coarse texture
    - \* good cold and shade tolerance
    - \* susceptible to brown patch
    - \* rated medium to high in Texas varietal trials
    - \* fair to good drought tolerance
  4. JaMur
    - \* medium texture, good green color
    - \* good shade tolerance
    - \* rated high in Texas trials for zoysiagrasses
    - \* susceptible to brown patch
    - \* good drought tolerance
  5. Zenith
    - \* seeded type zoysiagrass
    - \* similar to Meyers in texture and color
    - \* good shade and cold tolerance
    - \* recommended seeding rate is 1-3 lbs./1,000 sq.ft.
- B. Zoysia matrella
1. Zeon?
    - \* fine to medium texture
    - \* good dark green color
    - \* fair to good shade tolerance
    - \* produces less thatch than Emerald
    - \* good salt tolerance
    - \* good to excellent drought tolerance
  2. Cavalier
    - \* fine texture, high density
    - \* excellent shade tolerance
    - \* good salt tolerance
    - \* moderate to high susceptibility to brown patch
    - \* resistance to sod webworms, fall armyworms and tawny mole crickets
    - \* susceptible to zoysiagrass mite
  3. Diamond
    - \* high salt and shade tolerance
    - \* tolerates very close mowing, down to .125 inches
    - \* rapid recovery from injury
    - \* fair cold tolerance
  4. Royal
    - \* fine textured, high rhizome development
    - \* excellent salt and shade tolerance
    - \* good cold tolerance
    - \* excellent tolerance to zoysiagrass mite
  5. Zorro
    - \* fine textured, good green color
    - \* excellent shade tolerance
    - \* rapid recovery from injury
  6. Emerald
    - \* actually a fine textured hybrid ( Z. japonica X Z. tenuifolia )
    - \* tends to produce a lot of thatch
    - \* very fine textured
    - \* excellent shade and salt tolerance

- \* fair to good cold tolerance

#### **IV. Centipedegrasses:**

1. Common ( also sold as Centiseed )
  - \* sold as seed or vegetatively (sod).
2. Tifblair
  - \* developed by USDA program in Georgia
  - \* improved cold tolerance
  - \* tolerance to low soil ph
  - \* sold as seed or sod
3. Oaklawn
  - \* developed by OSU breeding program
  - \* sold as sod only
  - \* improved cold tolerance
4. TennTurf
  - \* best cold tolerance for centipedegrass varieties
  - \* sold as sod only
5. Centennial
  - \* improved cold tolerance
  - \* tolerant to alkaline soils
  - \* sold as sod only

#### **V. Buffalograsses:**

- A. Vegetative only
  1. Nebraska 609
    - \* released through University of Nebraska
    - \* female plant only
    - \* fine textured, good green color
    - \* excellent drought and heat tolerance
    - \* good to excellent heat tolerance
  2. Prairie
    - \* released through Texas A&M University
    - \* female plant only
    - \* fine texture, good color
    - \* excellent heat and drought tolerance
    - \* good to excellent cold tolerance
  3. Density
    - \* new release from BladeRunner farms
    - \* very dense stand for buffalograsses
  4. Turffalo
    - \* new release from Texas Tech program
    - \* sold as plugs only
- B. Seeded varieties
  1. Topgun
    - \* good color, density
    - \* one of first improved seeded types
    - \* rated high in Texas trials
  2. Plains
    - \* good color

- \* good spring green up
- \* grows slightly taller than Topgun

3. Texoka
  - \* thinner stand than most seeded types
  - \* excellent for planting with wildflowers
4. other seeded varieties
  - a. Bison
  - b. Cody
  - c. Tatanka
  - d. Sharps Improve
  - e. Imperial blend ( Bison, Cody, Bowie )

#### **VI. Seashore paspalums:**

1. SeaIsle 1
  - \* released through University of Georgia
  - \* excellent salt tolerance
  - \* good low light tolerance
  - \* poor shade (tree) tolerance
  - \* excellent green color, better than bermudagrass
  - \* good drought tolerance, when maintained properly
  - \* seedhead production can be a problem
  - \* slow to recover from scalping and drought stress
2. SeaIsle 2000
  - \* released through University of Georgia
  - \* very similar characteristics to SeaIsle 1
3. SeaDwarf
  - \* dwarf type seashore paspalum
  - \* excellent salt tolerance
  - \* improved winter color
  - \* good traffic tolerance
4. other seashore paspalums
  - a. SeaGreen
  - b. SeaWay
  - c. Salam
  - d. Adalayd/Excalibre

#### **VII. Turf Type Tall Fescues:**

1. Arid
2. Falcon
3. Jaguar 3
4. Mustang
5. Apache
6. Rebel II
7. Titan
8. Houndog
9. Galway
10. Bonanza
11. Tomahawk
12. Virtue

13. Southern Choice

**VIII. Hybrid Bluegrasses:**

1. Reville
2. Thermal blue

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