

SECTION 2.

The information contained in this section features material taken from a variety of sources, including the past issues of *Landscape Management* magazine.

The editors gratefully acknowledge the cooperation of The Better Lawn and Turf Institute and Dr. Eliot Roberts, and the American Sod Producers Association for their material.

For more information on growing healthy, attractive turf, contact the Lawn Institute at P.O. Box 106, County Line Road, Pleasant hill, TN 38578; (615) 277-3722 or the American Sod Producers Association at 1855-A Hicks Rd., Rolling Meadows, IL 60008; (312) 705-9898.



SUNBELT SEEDS
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USES OF TURFGRASSES

Species	Uses
Bermudagrass	<ul style="list-style-type: none"> *hot, dry or tropical climates *recommended for residential and commercial landscapes, golf courses, athletic fields and recreation areas *ideal for homes with children and pets
Bluegrass	<ul style="list-style-type: none"> *basic lawn grass of the cool, humid and temperate regions *recommended for residential and commercial lawns
Centipedegrass	<ul style="list-style-type: none"> *general purpose grass *best adapted to hot, humid and tropical climates *low maintenance
Fine fescue	<ul style="list-style-type: none"> *best adapted to cool summers and high altitudes *often used in mixes with other grasses *grows well in shade or drought-dry soil *Provides green winter color in hot climates
Ryegrass	<ul style="list-style-type: none"> *regions with mild winters and cool, moist summers *in mixes with bluegrass and fine fescue *sports fields and play areas
St. Augustinegrass	<ul style="list-style-type: none"> *coastal regions; hot, dry or tropical climates *residential, commercial and industrial landscapes
Tall fescue	<ul style="list-style-type: none"> *transition zone: cold winters, warm summers *good, tough play lawn *residential and commercial landscapes, parks, recreation areas
Zoysiograss	<ul style="list-style-type: none"> *hot, humid, tropical climates *sites with high traffic *residential and commercial landscapes

Source: American Sod Producers Assn.

ENODPHYTE LEVELS OF PERENNIAL TURFGRASS VARIETIES

HIGH - MOST INSECT RESISTANCE

Citation II
Commander
Dasher II
Pennant
Regal

Repell
SR 4000
ST 4100
Sunrye
SR 3000 hard fescue

MODERATELY HIGH - GOOD INSECT RESISTANCE

All*Star
Birdie II
Cowboy
Dasher

Jazz
Omega II
Prelude
Vintage

MODERATE - SOME INSECT RESISTANCE

Delray
Derby
Linn
Palmer

Patriot
Pennfine
Premier
Regency

LOW - LITTLE INSECT RESISTANCE

Allaire
Blazer
Eika
Fiesta
Fiesta II
Gator

Manhattan II
Ovation
Ranger
Rodeo
Tara
Yorktown II

Source: Rutgers University

TOLERANCE OF GRASS SPECIES

Species	Temperature tolerance	Drought tolerance	Shade tolerance	Wear resistance	Water needs
Bermudagrass	exc. in heat	excellent	poor	excellent	low
Bluegrass	exc. in cold	good	fair	good	moderate
Centipedegrass	very good in heat	moderate	med. to good	fair	moderate
Fine fescue	good heat & cold	very good	moderate	moderate	low to mod.
Ryegrass	good	good	moderate	fair	moderate
St. Augustinegrass	good in heat	moderate	exc. to poor	moderate	mod. to high
Tall fescue	excellent	very good	good	fair	below average
Zoysiagrass	exc. in heat	moderate	fair	excellent	low to med.

Abbreviations used: exc. (excellent); med. (medium); mod. (moderate)

Source: American Sod Producers Assn.

COMPARING REQUIREMENTS OF TURF SPECIES

Species	Seeding rate per 1000 sq. ft.	Growth habit	Establishment rate
Kentucky bluegrass	2-3 lbs.	rhizomes	slow
Perennial ryegrass	5 lbs.	bunch	very fast
Hard fescue	4-5 lbs.	bunch	slow/medium
Chewings fescue	4 lbs.	bunch	medium
Creeping fescue	4 lbs.	rhizomes	medium
Tall fescue	6-9 lbs.	bunch	medium
Creeping bentgrass	1/2-1 lbs.	stolons	medium

Species	Fertility requirement	Mowing frequency	Thatch formation
Kentucky bluegrass	medium	low/medium	medium/high
Perennial ryegrass	medium/high	high	none
Hard fescue	low	low	medium
Chewings fescue	low/medium	low/medium	medium/high
Creeping fescue	low/medium	low/medium	low/medium
Tall fescue	medium	medium	low/none
Creeping bentgrass	low/medium	low/medium	high

Source: Seed Research of Oregon

SEED BLENDS

Variety	Marketer	Ingredients	Adaptability
Bent Blend	Lesco	25% Penncross, 25% Penneagle and 50% common creeping bentgrasses	Greens
CBS II	Turf-Seed	Blend of Citation II, Birdie II and Omega II Perennial ryegrasses	Home lawns Parks Golf courses
Derby Regal	International Seeds	50% Derby and 50% Regal perennial ryegrasses	Overseeding Golf courses
Dixie Green tall fescue	International Seeds	An equal blend of Pacer, Hounddog and Mojave tall fescues	Roughs Parks Wherever permanent turf desired
Double Eagle Blend (CBS II)	Lesco	Contains Citation II, Birdie II and Omega II perennial ryegrasses	High traffic areas Southern overseeding
Eagle Blend	Lesco	Contains Commander, Manhattan II and Regency perennial ryegrasses	High traffic areas
Eagle Blend I	Lesco	Contains Commander, Vintage or Regency perennial ryegrasses	Greens Tees Fairways
Fourstar Sod Blend	Lofts	A blend of Baron, Ram I, Glade and Nassau Kentucky bluegrasses	Sod
Fun Lawn	Jonathan Green	40% Bonanza, 30% Fine Lawn I and 30% Mustang turf-type tall fescues	Roughs
Futura Plus	Pickseed West	50% Fiesta 25% Blazer 25% Dasher perennial ryegrasses	
Futura 2000	Pickseed West	Blend of Fiesta II, Dasher II and Blazer perennial ryegrasses	Wherever a Perennial ryegrass is recommended
Marvelgreen Supreme	Lofts	50% Palmer perennial, 30% Prelude perennial and 20% Yorktown II perennial ryegrass	Southern overseeding blend

SEED BLENDS

Variety	Marketer	Ingredients	Adaptability
Par Blend	Lesco	40% Vintage 2df, 30% Regency and 30% Transfar intermediate ryegrass	Tees and collars Fairways
PhD	International Seeds	40% Derby, 40% Regal and 20% Gator perennial ryegrasses	Overseeding Golf courses
Premium Sod Blend	Northrup King	25% Aspen 25% Glade 25% Trenton and 25% Rugby Kentucky bluegrasses	Sod
Proform Sod Blue Blend	Garfield Williamson	20% Eclipse 25% Classic 20% Liberty 20% Challenger and 20% Touchdown Kentucky bluegrasses	Sod or turf repair
Proform Triple Classic	Garfield Williamson	50% Omega II, 25% Saturn and 25% Manhattan II perennial ryegrasses	Overseeding Golf courses Athletic fields
Quality Blue Blend	Lesco	A 25% blend of any of the following Kentucky bluegrasses: Julai, Dawn, Challenger, Merit, Columbia or Midnight	Sod Premium turf areas
Quartet	Van Der Have Oregon, Inc.	A blend of Pennfine, Brenda, Patriot and Mondial perennial ryegrasses	Greens
Sodmaker	Jonathan Green	40% Merit, 20% Classic, 20% Density and 20% Gnome Kentucky bluegrasses	Sod Tees and Fairways
Spectrum	Turf Merchants	An equal blend of Patriot, Manhattan II and Pennfine perennial ryegrasses	Southern overseeding and permanent grass in the northeast
Sports Turf	O.M. Scott	60% Loretta and Pennant perennial ryegrasses and 40% Victa and Abbey Kentucky bluegrasses	Athletic fields High traffic areas Parks/Schools
Team	Pickseed West	Blend of Mustang, Maverick and Thoroughbred turf-type tall fescues	Home lawns Parks Athletic fields

SEED BLENDS

Variety	Marketer	Ingredients	Adaptability
Touch-up	Jonathan Green	40% Ailaire, 30% Manhattan II and 30% Fiesta perennial ryegrasses	Home lawn overseeding Tees/Fairways/ Roughs
Transition Blend	Lesco	Contains the following turf-type Tall fescues: Cimarron, Bonanza, Trailblazer or Apache	Designed for transition zone
Triathalawn	Turf-Seed	Blend of Apache, Bonanza, Falcon and Olympic tall fescues	Home lawns Sod Golf courses Athletic fields
Triple Play	Fine Lawn	An equal blend of Pennant, Manhattan II and Pennfine perennial ryegrasses	Overseeding of golf courses in the south Wherever ryegrass desired
Triple Pro Blend	Northrup King	34% Galway 33% Falcon 33% Arid turf-type tall fescues	Sod in the south and west coast
Tri-plex Bluegrass	Lofts	Mixture of Nassau, Ram I, Georgetown and Baron	For full sun areas
Tri-plex General	Lofts	60% Nassau bluegrass, 20% Jamestown chewing fescue and 20% Palmer perennial ryegrass	For full sun areas
Tri-plex Ryegrass	Lofts	A mixture of Prelude, Palmer and Cowboy	
Tri-plex Shade	Lofts	40% Ram I Kentucky bluegrass, 40% Jamestown chewing fescue and 20% Palmer perennial ryegrass	
True Blue	Turf Merchants	An equal blend of Gnome, Merit and Baron Kentucky bluegrasses	Landscaping
Tuf Gem II	Turf Merchants	An equal blend of Bonanza, Apache and Brookston tall fescues	Permanent use

SEED BLENDS

Variety	Marketer	Ingredients	Adaptability
Turf Mate Elite Dwarf	Turf Merchants	An equal blend of Trailblazer and Wrangler tall Fescues	Permanent use
Victa Bristol Merit	O.M. Scott	A blend of Victa, Bristol and Merit Kentucky bluegrasses	Home lawns
VIP	Turf Merchants	An equal blend of Manhattan II, Pennant and Pennfine perennial ryegrasses	Southern overseeding, permanent turf in the northeast
VIP Bentgrass Blend	Turf Merchants	A blend of Seaside, Penncross and Penneagle bentgrasses	Southern overseeding, permanent turf in the northeast
Renovator Pro Blend	Northrup King	40% Delray 30% Caddie and 30% Pennfine Perennial ryegrass	Heavy traffic areas Athletic fields Playgrounds
Ryegrass 100	O.M. Scott	50% Pennant 30% Derby 20% Ovation perennial ryegrasses	Athletic fields Southern overseeding
Winter Turf III	O.M. Scott	70% Caravelle 20% Pennant 10% Derby perennial ryegrasses	Overseeding
Winter Turf IX	O.M. Scott	40% Caravelle 40% Manhattan II and 20% Pennant perennial ryegrasses	Overseeding

SEED MIXES

Variety	Marketer	Ingredients	Adaptability
Athletic Field Mix	Lofts	80% Rebel or Clemline tall fescue 10% Palmer perennial ryegrass 10% Nassau or Baron Kentucky bluegrass	Athletic fields
Athletic Pro Mix	Northrup King	25% Aspen and 25% Adelphi Kentucky bluegrass with 50% Delray perennial ryegrass	Athletic field renovation Poa Annuua control
Athletic Pro II Mix	Northrup King	25% Rugby and 25% Trenton Kentucky bluegrasses with 25% Delray and 25% Caddie perennial ryegrasses	Overseeding of high wear areas Athletic fields Fairways
Blue-Rye	Jonathan Green	30% Allaire perennial ryegrass 25% Classic, 25% Gnome and 20% Merit Kentucky bluegrass	Home lawns Tees/Fairways/ Roughs
Boulevard Mixture	Northrup King	30% 'Fults' 30% Dawson red fescue 30% Park Kentucky bluegrass and 10% Delray perennial ryegrass	Areas of chronic salt accumulation
Companion	International Seeds	80% Eika perennial ryegrass 20% Ensyiva creeping red fescue	Vineyards Shaded areas
Contractor's	Jonathan Green	50% annual ryegrass 35% perennial ryegrass 10% creeping red fescue and 5% Kentucky bluegrass	Initial seeding
Dense Shade	Jonathan Green	35% Victory chewings fescue 30% Pennlawn creeping red fescue 20% Glade and 15% Gnome Kentucky bluegrasses	Home lawns with little sun
Dixie Green	International Seeds	70% Derby perennial ryegrass with 30% Highlight chewings fescue	Golf courses (in southeast) Shaded areas
Drought Tough	Jonathan Green	30% Arid, 30% Bonanza and 30% Mustang tall fescue with 10% Gnome Kentucky bluegrass	Home lawns
Ecology	Lofts	80% Reliant hard fescue 20% Jamestown chewings fescue	For ecologically fragile sites where fertilizers are banned. Low maintenance areas
Fast Grow	Jonathan Green	50% Linn perennial ryegrass 20% Kentucky bluegrass 15% Annual ryegrass and 15% creeping red fescue	Roughs

SEED MIXES

Variety	Marketer	Ingredients	Adaptability
Full Sun	Jonathan Green	30% Gnome Kentucky bluegrass 20% Allaire and 20% Manhattan II perennial ryegrass 15% Victory chewing fescue and 15% Pennlawn creeping Red fescue	Home lawn Fairways and roughs
Futura Blue	Pickseed West	20% Touchdown Kentucky bluegrass 20% America Kentucky Bluegrass 15% Agram chewing fescue 45% Fiesta perennial ryegrass	
General Turf Mixture	Northrup King	15% Park 35% Kentucky bluegrass 85/80 with 40% creeping red fescue and 10% perennial ryegrass	Schools Parks Cemeteries Rights-of-way
Heavy Traffic Mixture	Jonathan Green	45% Bonanza, 40% Mustang turf-type tall fescues and 15% Allaire perennial ryegrass	Roughs
Landscape Pro Mix	Northrup King	30% Park and 20% Parade Kentucky bluegrasses with 20% Delray perennial ryegrass and 30% Ruby creeping red fescue	Initial turf establishment
Marvelgreen and Laser	Lofts	85% Marvelgreen Supreme 15% Laser poa trivialis	Wherever a fine texture desired Southern overseeding blend
Marvelgreen Classic	Lofts	60% Palmer perennial ryegrass 20% Jamestown chewing fescue 20% Laser poa trivialis	Greens/Tees Shaded areas Southern overseeding blend
Marvelgreen Sports Mix	Lofts	A mixture of fine leaf turf type ryegrasses with annual ryegrass	Fairways/tees Athletic Fields Overseeding blend
Marvelgreen 3+1	Lofts	75% Marvelgreen Supreme 25% Jamestown chewing fescue	Southern overseeding blend
Maxi-Gain Green Chop	Turf-Seed, Inc.	(approximately) 43% Latac orchardgrass 22% Barpastra tetraploid perennial ryegrass 14% Tandem festulolium 11% TT-80 tetraploid Annula ryegrass 5% New Zealand white clover and the rest other crop seed and inert matter	Pastures

SEED MIXES

Variety	Marketer	Ingredients	Adaptability
Medalist North	Northrup King	35% Delray and 35% Caddie perennial ryegrasses with 15% Trenton and 15% Rugby Kentucky bluegrasses	Renovation of worn areas Athletic fields
Overseeder II	Northrup King	25% Trenton, 25% Aspen and 20% Rugby Kentucky bluegrasses with 15% Delray and 15% Caddie perennial ryegrasses	Fairway renovation Home lawns
Pasture	Jonathan Green	40% perennial ryegrass 25% Kentucky bluegrass 15% orchard grass 15% timothy and 5% Ladino clover	Paddock mixture
Premier Turf Mix	Northrup King	25% Rugby, 20% Adelphi and 20% Trenton Kentucky bluegrasses with 25% Scaldis hard fescue and 10% Delray perennial ryegrass	Home lawns Fairways
Proform Deep Shade Mix	Garfield Williamson	35% Ensyvla and 15% Shadow chewing fescues with 30% Omega II perennial ryegrass 10% Aurora hard fescue 5% Eclipse Kentucky bluegrass and 5% Sabre poa trivialis	Dry and damp shaded areas or areas with up to 70% shade
Proform Sports Turf	Garfield Williamson	60% Jaguar and 18% Bonanza turf-type tall fescues 15% Omega II perennial ryegrass and 7% Liberty Kentucky bluegrass	Parks Cemeteries Athletic fields
Shady Turf	Northrup King	15% Nugget and 25% Glade Kentucky bluegrasses with 10% Delray perennial ryegrass and 25% Scaldis hard fescue	New seedings Overseeding of shaded areas
Show Lawn	Jonathan Green	40% Allaire and 30% Premier perennial ryegrasses, 10% Density, 10% Gnome and 10% Merit Kentucky bluegrasses	Home Lawns Athletic Fields Tees/Fairways/ Roughs
Special Park Mix	Northrup King	30% Aquila and 20% Park Kentucky bluegrass with 20% Ruby creeping red fescue, 20% Scaldis hard fescue and 10% Delray perennial ryegrass	Parks Low maintenance, shaded areas
Summer Stress	Lofts	90% Rebel or Rebel II turf-type tall fescue 10% Nassau or Baron Kentucky bluegrass	For transition zone fields subject to heat stress

SEED MIXES

Variety	Marketer	Ingredients	Adaptability
Sun and Shade	Jonathan Green	20% Victory Chewings fescue 20% Allaire and 15% Manhattan II perennial ryegrass 20% Pennlawn red fescue 15% Glade and 10% Gnome Kentucky bluegrasses	Lawn areas with varying light Fairways and roughs
Super Pro III	Northrup King	15% Adelphi 15% Rugby Kentucky bluegrasses and 35% Pennfine 35% Delray perennial ryegrasses	Overseeding of heavy traffic areas in far north
Survivor	Seed Research of Oregon	90% Tridnet and Falcon tall fescues, 10% SR 3000 hard fescue	Home lawns Athletic fields Parks Sod production Golf course roughs Industrial turf
Swift & Sure	Northrup King	15% Parade and 15% Park Kentucky bluegrasses with 30% Pennlawn creeping red fescue 20% Pennfine and 20% Delray perennial ryegrasses	Overseeding established areas
Trophy	Seed Research of Oregon	80% Trident and Falcon tall fescue 10% SR 3000 hard fescue 10% Merit Kentucky bluegrass	Home lawns Athletic fields Parks Sod Golf course roughs Industrial turf
Turf Supreme	Lofts	80% Nassau Kentucky bluegrass 20% Palmer perennial ryegrass	
Utility Mixture	O.M. Scott	30% Red fescue 55% Ovation and Derby perennial ryegrasses 15% Victa Kentucky bluegrass	Low maintenance turf areas
Veri-Green	Jonathan Green	60% Annual ryegrass 20% Linn perennial ryegrass 10% Kentucky bluegrass 10% creeping red fescue	Bare spots Roughs
Winter Turf I	O.M. Scott	90% blend of Loretta, Derby, Ovation and Victa perennial ryegrasses 10% Kentucky bluegrass	Overseeding of Bermudagrass
Winter Turf V	O.M. Scott	85% Loretta and Ovation perennial ryegrasses and 15% Sabre poa trivialis	Overseeding