



Section 3

The following pages contain results from the National Turfgrass Evaluation Program (NTEP), headquartered in Beltsville, Md. Though the program will not make variety recommendations, according to director Kevin Morris, data from the tests are used by extension agents and others in the turf industry for making such recommendations.

Because of space limitations, the top 5 to 12 commercially-available varieties in each species are listed for each testing site. In some cases, other varieties are available that show no comparative difference (LSD value) between those listed. Contact your local turf extension agent for complete listings.

Ratings range from 1.0 to 9.0 with 9.0 being a perfect turf. The following results are from the 1993 growing season.

For more information about the NTEP, write Morris at Agricultural Research Center West, Bldg. 002, Room 013, Beltsville, MD 20705.

KENTUCKY BLUEGRASS

MEDIUM/HIGH MAINTENANCE

(all trials in full sun unless otherwise noted)

QUALITY AVERAGES/SPONSORS: 6.3 Midnight (Turf-Seed); 6.1 Blacksburg (Turf-Seed), Apex (Medalist); 6.0 Eclipse (Jacklin); 5.9 Princeton 104 (Lofts), Ascot (O.M. Scott), Able I (Davenport); 5.8 Limousine (Jacklin), Alpine (Pickseed West), Shamrock(Lesco), SR2000 (Seed Research of Ore.), Unique (Turf-Seed), Preakness (Lofts); 5.7 Aspen (Medalist), Eagleton (Lofts), Coventry (O.M. Scott), Allure (Davenport); 5.6 Glade (Jacklin), Nustar (Jacklin), Cynthia (Advanta West), Washington (Cascade/Jonathan Green), Bartitia (Barenbrug), Fairfax (O.M. Scott), 1757 (Lofts), Challenger (Turf-Seed), Minstrel (Advanta West), Estate (Roberts); 5.5 Pennpro (Lesco), Julia (Lesco/Jacklin), Liberty (Zajac), A-34 (Davenport), Silvia (Cebeco), Barblue (Barenbrug), Touchdown (Pickseed West), NuBlue (Medalist), Haga (Burlingham). *LSD=0.2.*

COLORADO, FT. COLLINS (sandy clay loam, 3.5 lb./N, 2" mowing): 7.3 Princeton 104; 7.2 Blacksburg; 7.1 Midnight; 7.0 Apex; 6.7 Ascot; 6.6 Eclipse, Broadway, Miracle; 6.4 Shamrock; SR2000, Bartitia, Touchdown; 6.3 Able I, Limousine, Alpine, Pennpro, Barblue, SR2100, Abbey, Crest, NuBlue. *LSD=0.7.*

KENTUCKY BLUE, MED/HI MAINT.

IDAHO, POST FALLS (silt loam/silt, 3.5 lb./N, 1.5" mowing): 8.7 Apex; 8.1 Midnight; 7.6 Alpine; 7.4 Blacksburg, Ascot, Limousine; 7.0 Glade, Minstrel, Melba, Noblesse; 6.7 Barzan; 6.4 Challenger; 6.3 Ram-1, Miracle; 6.2 Able I, NuStar, Bartitia, Pennpro, Ampellia. LSD=1.4.

IOWA, AMES (sandy clay loam, 3.5 lb./N, 2.5" mowing): 7.6 Apex; 7.5 Ascot; 7.4 Midnight, Blacksburg, Alpine, Glade; 7.3 Able I, Limousine, Allure, Cynthia, Miracle; 7.2 Eclipse, Eagleton, Estate, Ampellia; 7.1 Unique, Preakness, Aspen, Coventry, NuStar, Julia, Silvia, Indigo, Ram-1, SR2100, Trampas. LSD=0.5.

ILLINOIS, URBANA (silt loam/silt, 3.5 lb./N, 1.5" mowing): 6.8 Princeton 104; 6.2 Apex, Eagleton; 6.0 Shamrock, Preakness; 5.7 Washington, Monopoly; 5.6 Limousine, Alpine; 5.5 Allure; 5.4 SR2000, Coventry; 5.3 Blacksburg, Cynthia, Fairfax, NuBlue; 5.2 Glade, SR2100. LSD=1.1.

ILLINOIS, CARBONDALE (silty clay loam, 4.5 lb./N, 1.5" mowing): 7.6 Eagleton; 7.1 Glade; 7.0 Preakness; 6.9 Shamrock; 6.8 Midnight; 6.7 Estate, Haga; 6.6 SR2000, NuStar, 1757, Cobalt, Monopoly; 6.5 Coventry, Allure, Livingston; 6.4 Princeton 104, Washington, Marquis, Fortuna. LSD=1.3.

KENTUCKY, LEXINGTON (silt loam/silt, 2.5 lb./N, 1.5" mowing): 8.2 Midnight; 6.9 Able I, SR2000, Indigo, Marquis; 6.8 Princeton 104; 6.7 Blacksburg, Aspen; 6.6 Challenger; 6.5 Eclipse, Ascot, Preakness, Livingston, Fortuna, Merit, Crest, Nassau, Destiny; 6.4 Glade; 6.3 Unique, 1757, Minstrel, Viva. LSD=1.0.

MARYLAND, BELTSVILLE (silt loam/silt, 3.5 lb./N, 1.5" mowing): 7.6 Apex; 7.5 Midnight, Blacksburg; 7.4 Alpine; 7.1 Limousine; 7.0 Preakness; 6.9 Ram-1; 6.8 Eclipse, NuStar, Cynthia, Bartitia, Fairfax, Minstrel; 6.7 Eagleton, Glade, A-34; 6.6 Coventry, Challenger, Julia; 6.5 Shamrock, Allure, Fortuna, Baron, Gnome, Opal. LSD=0.8.

MARYLAND, SILVER SPRING (sand, 3.5 lb./N, 1.5" mowing): 6.8 Apex; 6.7 SR2000; 6.6 Midnight, Barzan; 6.5 Coventry, Banff, Suffolk; 6.4 Eclipse, Preakness, Estate, NuBlue, Dawn, SR2100, Kelly; 6.3 Blacksburg, Limousine, Allure, Fairfax, Haga, Freedom. LSD=0.7.

MICHIGAN, EAST LANSING (sandy loam, 3.5 lb./N, 2.5" mowing): 7.1 Glade, Baron, Opal; 7.0 Cobalt, Ampellia; 6.9 Limousine, Alpine, Estate, Touchdown, Trenton, Belmont, Dawn, Gnome, Merion; 6.8 Unique, Silvia, Suffolk. LSD=0.9.

NEBRASKA, LINCOLN (sandy clay loam, 3.5 lb./N, 3" mowing): 7.3 Apex; 7.1 Limousine; 6.6 Opal; 6.3 Unique, Glade, Fairfax, Julia; 6.2 Eclipse, A-34, Silvia, Freedom; 6.1 Ascot, Eagleton, Washington, NuBlue, Ronde; 6.0 Coventry, Bartitia, 1757, Pennpro, Haga, Trenton, Banff, 4 Aces, Dawn. LSD=1.0.

NEW JERSEY, NORTH BRUNSWICK (loam, 4.5 lb./N, 1.5" mowing): 6.8 SR2000; 6.5 Midnight; 6.3 Eclipse; 6.1 Shamrock; 6.0 Blacksburg; 5.9 Barblue; 5.8 Aspen, Trenton; 5.7 Able I, Georgetown; 5.6 Banff; 5.5 Ascot, Preakness, Classic; 5.4 Haga, Dawn; 5.3 Unique, Freedom. LSD=0.8.

NEW JERSEY, ADELPHIA (loam, 1.5 lb./N, 1.5" mowing, no irrigation): 6.7 Midnight; 6.3 Eclipse, Princeton 104; 6.1 SR2000; 6.0 Blacksburg, Bartitia; 5.9 Apex, Ascot; 5.7 Julia, Liberty, Broadway; 5.6 Aspen, Indigo, Banff, Dawn; 5.5 Limousine, NuStar, Pennpro, NuBlue, Classic. LSD=0.7.

KENTUCKY BLUE, MED/HI MAINT.

NEW JERSEY, MARTINSVILLE (silt loam/silt, 3.5 lb./N, 1.5" mowing): 7.3 Midnight; 6.2 Unique; 6.1 Blacksburg, Able I; 6.0 Princeton 104, Ascot, Cynthia; 5.9 Apex, Summit, Alpine; 5.8 Limousine, Aspen; 5.7 SR2000, Washington, Pennpro; 5.4 Preakness, Allure, Minstrel, Buckingham. *LSD=0.9.*

OREGON, HUBBARD (shade, silt loam/silt, 4.5 lb./N, 2.5" mowing): 6.5 Apex, Ascot; 6.4 Able I, Allure, Bartitia; 6.1 Estate; 6.0 Coventry; 5.8 Unique, Fairfax; 5.7 Washington, Broadway; 5.6 Blacksburg, Cynthia, Challenger; 5.5 Alpine, Julia, Haga, Ram-1; 5.4 Liberty, Marquis. *LSD=1.2.*

OREGON, HALSEY AND HUBBARD: 6.6 Princeton 104; 6.5 Minstrel; 6.3 Midnight, Cynthia, Bartitia, Ampellia; 6.2 Blacksburg, Able I, Washington, 1757, Broadway; 6.1 Limousine, Shamrock, Allure, Estate, Silvia, Miracle. *LSD=0.6.*

RHODE ISLAND, KINGSTON (silt loam/silt, 3.5 lb./N, 1.5" mowing): 6.1 Eclipse; 6.0 Livingston, Indigo; 5.9 Eagleton, Viva; 5.8 Able I, Glade, Crest; 5.7 Ascot, Shamrock, Bartitia, Ram-1, Baron, Merit, Abbey; 5.6 Blacksburg, Princeton 104, A-34, Marquis, Fortuna, Destiny, Noblesse. *LSD=0.7.*

VIRGINIA, BLACKSBURG (silt loam, silt, 3.5 lb./N, 2.5" mowing): 6.1 Limousine, Preakness; 6.0 Eclipse, Princeton 104; 5.9 Washington, 1757; 5.8 Blacksburg, Alpine, Shamrock, Aspen; 5.7 A-34, Silvia, Monopoly; 5.6 Able I, Estate, Pennpro, Banff, Classic; 5.5 Touchdown, Freedom, Abbey. *LSD=0.8.*

VIRGINIA, HAYMARKET (silt loam/silt, 2.5 lb./N, 3" mowing, no irrigation): 3.9 Allure; 3.8 Baron; 3.7 Marquis; 3.6 Shamrock, SR2000, Fairfax, Cobalt, Viva; 3.5 Aspen, Eagleton, Cannon; 3.4 Unique, Minstrel, Belmont, Monopoly, Gnome, Merit, Abbey, Kelly, Merion. *LSD=0.6.*

WASHINGTON, PULLMAN (silt loam/silt, 3.5 lb./N, 2" mowing): 6.4 NuBlue; 6.3 Eclipse, Barblue; 6.2 Pennpro; 6.1 Midnight, Alpine, Shamrock, Unique, Belmont, Opal, Noblesse; 6.0 Apex, Ascot, SR2000, Liberty, Touchdown, SR2100, Cannon; 5.9 Princeton 104, Coventry, Julia, Classic, Broadway, Merit. *LSD=0.7.*

PERENNIAL RYEGRASS

(all trials in full sun unless otherwise noted)

QUALITY AVERAGES/SPONSORS: 6.2 Cutter (Pickseed West); 6.1 Repell II (Lofts), Seville (Willamette), Prelude II (Lofts), Prizm (Zajac), Palmer II (Lofts), Advent (Jacklin), Riviera II (Pickseed West), Precision (Advanta); 6.0 SR4200 (Seed Research of Ore.), APM (Medalist), Stallion Select (Pro Seeds), Morning Star (Pennington), Brightstar (Turf-Seed), Delaware Dwarf (Ampac), Nighthawk (Forbes), Yorktown III (Lofts), Assure (Lesco); 5.9 Achiever (Pickseed West), Gettysburg (Cascade/Jonathan Green), Dandy (Medalist), Affinity (Genesis Group), Navajo (Turf-Seed), Pinnacle (Barenbrug), Legacy (Lesco), Greenland (Pickseed West); 5.8 Buccaneer (Koos), Quickstart (Turf-Seed), Shining Star (Pennington), Equal (All Star Farms), Envy (Zajac). *LSD=0.2.*

PERENNIAL RYEGRASS

COLORADO, FT. COLLINS (sandy clay loam, 4.5 lb./N, 1" mowing): 7.3 Prizm, Greenland; 7.2 Cutter, Repell II, Morning Star, Brightstar, Assure, Quickstart; 7.1 Seville, Palmer II, Advent, SR4200, Nighthawk, Dandy, Pinnacle, Buccaneer, Manhattan II, Pebble Beach. *LSD=0.5.*

DISTRICT OF COLUMBIA: 5.2 Loretta; 5.0 Barrage++, 4.6 Seville; 4.4 Pennant; 4.2 Cutless, Calypso; 4.1 Barrage; 4.0 Delaware Dwarf, Navajo, Gator, Nomad, Citation II, Caliente; 3.9 Precision, Envy, Danilo; 3.8 Morning Star, Dandy, Legacy, Competitor, Manhattan II. *LSD=1.0.*

IOWA, AMES (sandy clay loam, 2.5 lb./N, 2.5" mowing): 7.5 Barrage, Loretta; 7.4 Precision, Navajo, Barrage++, Allegro; 7.3 Affinity, Gator, Lowgrow, Taya; 7.2 Advent, Cutless; 7.1 APM, Delaware Dwarf, Cowboy II, Ovation; 7.0 Fiesta II, Elite, Danilo; 6.9 Riviera II, Gettysburg, Dandy, Dimension, Manhattan II, Charger, Nomad, Riviera, Derby Supreme. *LSD=0.9.*

IDAHO, RATHDRUM (silt loam/silt, 4.5 lb./N, 1.5" mowing): 6.7 Prelude II, SR4200; 6.5 Delaware Dwarf; 6.4 Evening Shade; 6.3 Nighthawk, Express; 6.2 Advent, Precision, Charger, Nomad; 6.1 Repell II, Gettysburg; 6.0 Cutter, Dandy, Navajo, Buccaneer, Lowgrow. *LSD=1.1.*

ILLINOIS, CARBONDALE (silty clay loam, 4.5 lb./N, 1.5" mowing): 8.5 Seville; 8.3 Prizm, Assure; 8.2 Cutter; 8.1 Precision, Pinnacle; 7.9 Riviera II, APM, Achiever; 7.8 Brightstar, Nighthawk; 7.7 Morning Star, Delaware Dwarf, Affinity, Legacy, Dimension; 7.6 Quickstart, Sherwood, Express; 7.5 Advent, Gettysburg, Envy. *LSD=1.4.*

KANSAS, WICHITA (sandy loam, 3.5 lb./N, 1.5" mowing): 7.0 Morning Star, Fiesta II; 6.8 Repell II; 6.7 Advent, SR4200, Delaware Dwarf; 6.5 Cutter, APM, Brightstar, Achiever, Navajo, Quickstart, Equal, Envy, Target, Sherwood, Saturn, Premier, Caliente. *LSD=1.3.*

KENTUCKY, LEXINGTON (silt loam/silt, 2.5 lb./N, 1.5" mowing): 7.0 Assure; 6.9 Palmer II, Brightstar, Dandy; 6.8 Precision, Legacy, Pleasure; 6.7 Repell II, Riviera II, Regal; 6.6 Nighthawk; 6.5 Delaware Dwarf, Achiever, Shining Star, Pronto, Commander; 6.4 SR4200, Evening Shade. *LSD=1.2.*

MARYLAND, BELTSVILLE (silt loam/silt, 3.5 lb./N, 1.5" mowing): 7.6 Palmer II; 7.5 Assure; 7.4 Prelude II, Brightstar; 7.3 Cutter, Repell II, Prizm; 7.2 Riviera II, APM, Stallion Select, Gettysburg, Pinnacle; 7.1 Seville, Competitor; 7.0 Advent, Morning Star, Affinity, Equal, Rodeo II. *LSD=1.1.*

MARYLAND, SILVER SPRING (sandy loam, 4.5 lb./N, 0.5" mowing): 6.9 Repell II; 6.8 SR4200, Yorktown III, Assure, Manhattan II; 6.7 Cutter, APM, Stallion Select, Delaware Dwarf, Pinnacle, Quickstart; 6.6 Achiever, Greenland, Sherwood, Commander, Calypso; 6.5 Seville, Prelude II, Dandy, Navajo, Buccaneer, Pleasure, Riviera, Topeka, Caliente. *LSD=0.5.*

MICHIGAN, E. LANSING (sandy loam, 3.5 lb./N, 2.5" mowing): 6.4 Troubadour; 6.3 Loretta, Entrar; 6.1 Gettysburg, Repell, Allegro; 6.0 Pebble Beach, Barrage++, Pennfine; 5.9 Prelude II, Fiesta II, Gator, Saturn, Cowboy II, Nomad, Topeka, Stallion, Barrage, Taya. *LSD=0.6.*

NEBRASKA, LINCOLN (sandy clay loam, 3.5 lb./N, 3" mowing): 6.3 Nighthawk, Lowgrow, Cowboy II; 6.2 Essence; 6.0 Repell II, Prelude II, Troubadour; 5.9 Stallion Select, Envy; 5.8 Cutter, SR4200, Navajo, Sherwood, Rodeo II, Patriot II, Evening Shade, Citation II. *LSD=1.0.*

NEW JERSEY, NORTH BRUNSWICK (loam, 5.5 lb./N, 1.5" mowing): 7.5 Prizm, Stallion Select; 7.0 Cutter, Repell II, Prelude II, SR4200, Yorktown III; 6.9 Advent, Nighthawk, Achiever; 6.8 Pinnacle; 6.7 Riviera II; 6.6 Palmer II, Dimension; 6.5 Morning Star, Brightstar, Quickstart; 6.4 Affinity. *LSD=0.9.*

PERENNIAL RYEGRASS

NEW JERSEY, ADELPHIA (loam, 2.5 lb./N, 1.5" mowing): 7.1 Prelude II; 6.8 Palmer II, Greenland; 6.4 Precision; 6.3 Repell II, Buccaneer; 6.2 Prizm, Morning Star; 6.1 Advent; 6.0 Gettysburg; 5.9 Nighthawk, Quickstart; 5.8 Seville, Stallion Select, Brightstar, Delaware Dwarf, Affinity, Target. *LSD=1.4.*

OREGON, HUBBARD (silt loam/silt, 4.5 lb./N, 2.5" mowing, 1/3 shade): 7.0 Essence; 6.7 Palmer II; 6.6 Cutter, Brightstar, Navajo; 6.5 APM, Yorktown III; 6.3 Cowboy II; 6.2 Repell II, Seville, Prizm, Nighthawk, Affinity, Equal, Competitor; 6.1 Prelude II, Lowgrow, Pebble Beach, Accolade. *LSD=1.0.*

VIRGINIA, BLACKSBURG (silt loam/silt, 3.5 lb./N, 2.5" mowing): 5.7 Gator; 5.5 Cutter, Palmer II; 5.4 Repell II, Advent; 5.2 Prizm, Barrage++; 5.1 Seville, Riviera II, APM, Morning Star, Repell, Mulligan; 5.0 Assure, Buccaneer, Regal, Loretta; 4.9 Precision, Manhattan II, Pronto, Premier, Caliente. *LSD=0.9.*

WASHINGTON, PULLMAN (silt loam/silt, 3.5 lb./N, 2" mowing): 7.2 Nighthawk; 7.1 Precision, SR4200, Brightstar, Assure, Buccaneer, Pleasure; 7.0 Cutter, Palmer II, Envy, Fiesta II, Derby Supreme; 6.9 Riviera II, Dandy Greenland, Essence, Cowboy II, Evening Shade. *LSD=0.9.*

WASHINGTON, PUYALLUP (sandy loam, 4.5 lb./N, 1.5" mowing): 5.0 Dandy; 4.8 Seville, Gator, Elite; 4.7 SR4200, APM, Topeka; 4.5 Palmer II, Advent, Morning Star, Brightstar, Delaware Dwarf, Yorktown III, Fiesta II, Lowgrow, Charger, Repell, Rodeo II, Cutless, Calypso, Derby Supreme, Citation II, Barrage++, Allegro, Cartel. *LSD=0.7.*

SEEDED BERMUDAGRASS

(all trials in full sun unless otherwise noted)

QUALITY AVERAGES/SPONSORS (*standard entry): 6.8 Tifgreen*; 6.5 Tifway*; 6.3 Midiron*; 6.2 Midlawn (Kansas St. Research Foundation & Oklahoma State Univ.); 6.1 Midfield (KSU Research & OSU); 6.0 Texturf 10*; 5.6 Jackpot (Jacklin Seed); 5.5 Sultan (Farmer's Marketing), Mirage (International Seeds); 5.2 Guymon*; 5.1 Numex Sahara*, Sundevil (Medalist America); 5.0 Sonesta (O.M. Scott); 4.9 Primavera (Seed Research of Ore./Farmer's Marketing); 4.8 Cheyenne (Pennington), Arizona common*. *LSD=0.2.*

ALABAMA, AUBURN: 7.4 Tifgreen; 7.0 Tifway, Midiron; 6.8 Midlawn; 6.7 Texturf 10; 6.6 Jackpot; 6.3 Midfield, Sultan. *LSD=0.6.*

ARKANSAS, FAYETTEVILLE: 8.6 Tifgreen; 7.6 Midlawn; 7.5 Tifway, Texturf 10; 7.4 Midiron, Sultan; 7.3 Jackpot. *LSD=1.0.*

ARIZONA, TUCSON (sandy loam, 2.5 lb./N, 1.5" mowing): 7.0 Tifway; 6.6 Tifgreen; 6.5 Midfield; 6.3 Midlawn; 6.1 Guymon; 6.0 Mirage, Midiron. *LSD=0.9.*

CALIFORNIA, SANTA ANA (sandy loam, 3.5 lb./N, 1" mowing): 6.3 Tifway, Texturf 10; 6.2 Tifgreen; 5.8 Midfield; 5.6 Midlawn; 5.4 Midiron, Jackpot; 5.3 Guymon. *LSD=0.3.*

CALIFORNIA, RIVERSIDE (sandy loam, 3.5 lb./N, 1" mowing): 6.6 Tifway; 6.1 Midiron; 6.0 Tifgreen, Texturf 10; 5.9 Midlawn, Midfield; 5.4 Jackpot, Sultan. *LSD=0.4.*

SEEDED BERMUDAGRASS

FLORIDA, GAINESVILLE (loamy sand, 1.5 lb./N, 1" mowing): 6.6 Tifway, Midiron; 6.4 Tifgreen; 6.0 Midfield, Texturf 10, Sultan; 5.9 Mirage, Sonesta. LSD=0.7.

GEORGIA, GRIFFIN (sandy loam, 3.5 lb./N, 1" mowing, high pH): 6.7 Tifway; 6.4 Tifgreen; 6.2 Midiron, Texturf 10; 5.9 Guymon; 5.8 Sultan, Mirage. LSD=0.8.

GEORGIA, GRIFFIN (sandy loam, 3.5 lb./N, 1" mowing, low pH): 6.4 Tifgreen; 5.7 Tifway; 5.6 Sultan; 5.5 Midlawn, Midfield; 5.4 Midiron, Texturf 10. LSD=0.7.

ILLINOIS, CARBONDALE (silty clay loam, 3.5 lb./N, 1.5" mowing, no irrigation): 7.8 Tifgreen; 7.7 Tifway; 7.4 Midlawn, Midfield; 7.1 Midiron; 6.0 Texturf 10; 5.7 Sultan. LSD=0.9.

KANSAS, WICHITA (sandy loam, 3.5 lb./N, 1" mowing): 8.6 Tifway; 8.0 Midfield; 7.9 Midiron; 7.6 Tifgreen; 7.4 Midlawn, Texturf 10; 7.3 Mirage, Guymon. LSD=0.7.

KENTUCKY, LEXINGTON (sandy loam/silt, 1.5 lb./N, 1" mowing): 6.2 Tifgreen; 6.1 Tifway; 5.9 Midfield, Mirage; 5.8 Texturf 10; 5.6 Midiron; 5.5 Guymon. LSD=0.5.

LOUISIANA, CALHOUN (sandy loam, 2.5 lb./N, 1.5" mowing): 7.3 Tifgreen; 7.1 Tifway, Midiron; 6.8 Midfield; 6.4 Midlawn; 6.1 Texturf 10; 5.5 Mirage. LSD=0.5.

MARYLAND, BELTSVILLE (loam, 1.5 lb./N, 1" mowing): 7.8 Tifgreen; 6.7 Tifway; 6.5 Jackpot; 6.3 Midiron, Midlawn; 6.2 Texturf 10, Sultan. LSD=0.5.

MISSOURI, NEW FRANKLIN (silt loam/silt, 2.5 lb./N, 2" mowing): 5.5 Midfield; 5.3 Tifgreen; 4.8 Midiron, Midlawn; 4.6 Guymon; 4.5 Texturf 10; LSD=1.3.

MISSISSIPPI, MISSISSIPPI STATE (sandy clay loam, 2.5 lb./N, 2.5" mowing): 7.3 Tifway; 6.9 Tifgreen; 6.0 Midlawn; 5.9 Midiron, Midfield; 5.6 Texturf 10; 5.1 Sultan. LSD=0.4.

NEBRASKA, LINCOLN (sandy clay loam, 3.5 lb./N, 3" mowing): 7.8 Tifgreen; 7.2 Midlawn; 6.7 Midiron; 6.0 Midfield, Texturf 10; 5.5 Sultan; 5.3 Sundevil, Sonesta. LSD=1.1.

OKLAHOMA, STILLWATER (loam, 1.5 lb./N, 2" mowing, light shade): 7.0 Tifgreen, Midlawn, Jackpot; 6.7 Tifway, Midfield, Texturf 10. LSD=1.1.

TEXAS, DALLAS (silty clay/clay, 3.5 lb./N, 1" mowing): 6.6 Midlawn; 6.5 Tifgreen, Midfield; 6.4 Midiron, Texturf 10; 6.2 Tifway. LSD=0.5.

TEXAS, DALLAS (silty clay/clay, 3.5 lb./N, 1" mowing, partial shade): 6.0 Tifway; 5.8 Midiron; 5.4 Texturf 10; 5.3 Midlawn; 5.2 Tifgreen; 5.1 Midfield, Jackpot. LSD=0.7.

VIRGINIA, BLACKSBURG (silt loam/silt, 3.5 lb./N, 1" mowing): 7.0 Tifway; 6.9 Tifgreen; 6.5 Midlawn; 6.0 Midiron; 5.8 Midfield, Jackpot; 5.6 Texturf 10. LSD=0.9.

VIRGINIA, VIRGINIA BEACH (sandy loam, 4.5 lb./N, 1" mowing): 6.8 Tifgreen, Tifway; 6.3 Midiron; 5.7 Midlawn; 5.6 Sultan; 5.5 Texturf 10; 5.4 Jackpot. LSD=0.6.

TURF-TYPE TALL FESCUE

(all trials in full sun unless otherwise noted)

QUALITY AVERAGES/SPONSORS: 6.0 Gen-91 (Genesis Group), Jaguar 3 (Zajac); 5.9 Pixie (Jacklin), MB-25-92 (Burlingham), Finelawn Petite (Finelawn Research), Falcon II (Burlingham), Rebel Jr. (Lofts); 5.8 Houndog V (International), Coyote (Zajac), Lancer (Lesco), Tomahawk (Turf-Seed), Lexus (Barenbrug); 5.7 MB-23-92 (Burlingham), Rebel 3-D (Lofts), SR8200 (Seed Research), Coronado (Pure Seed), Guardian (Roberts), Duster (Pennington), SR8400 (Seed Research), Micro DD (Turf Merchants), Emperor II (Zajac), Montauk (Cascade), Safari (Turf-Seed), Eldorado (Turf-Seed), Duke (Cascade); 5.6 Cochise (Ampac), Silverado (Turf-Seed), Apache II (Pure Seed), Titan 2 (Smith), Leprechaun (Roberts), Mirage (Turf Merchants), Avanti (Davenport), Virtue (Pennington), Trailblazer II (Lesco), Vegas (Barenbrug), SR8300 (Seed Research), Shenandoah (Willamette), Adobe (O.M. Scott), Bonsai Plus (Turf Merchants). *LSD=0.1.*

ALABAMA, AUBURN: 7.0 Adobe; 6.9 Safari, Falcon; 6.8 Houndog V, SR8200, SR8300, Phoenix; 6.7 Jaguar 3, Coronado; 6.6 Shenandoah, Arid, KY-31 w/endo; 6.5 Pixie, Rebel Jr., SR8400, Duke, Silverado, Leprechaun, Trailblazer II, Kittyhawk. *LSD=0.9.*

ARKANSAS, FAYETTEVILLE: 7.4 Lexus; 7.1 Finelawn Petite, Houndog V, Lander, Duster; 7.0 Rebel Jr., Apache II, Mirage, Bonsai; 6.9 Gen-91, Pixie, Rebel 3-D; 6.8 Jaguar 3, MB-25-92, MB-23-92, Coronado, MB-22-92, SR8400, Micro DD, Vegas. *LSD=0.6.*

ARIZONA, TUCSON (sandy loam, 2.5 lb./N, 2.5" mowing): 7.3 Pixie, Avanti; 7.2 Alamo; 7.1 Falcon II, Coyote, Lexus, Coronado, Guardian, Duster, Emperor II, Austin, Olympic II; 7.0 Jaguar 3, Finelawn Petite, Houndog V, Lancer, MB-23-92, SR8200, Eldorado, Duke, Virtue, Vegas, SR8300, Shenandoah, Kittyhawk, Aztec, Monarch, Astro 2000, Aris, Anthem. *LSD=0.5.*

CALIFORNIA, SANTA CLARA (loam, 2.5 lb./N, 2" mowing): 7.4 Micro DD, Bonsai; 7.3 Jaguar 3, MB-25-92, Lancer, Adobe; 7.2 Duster, Emperor II, Olympic II; 7.1 Pixie, Falcon II, Coyote, Mirage; 7.0 Coronado, Vegas, Bonsai Plus, Kittyhawk. *LSD=0.5.*

CALIFORNIA, RIVERSIDE (sandy loam, 4.5 lb./N, 2" mowing): 6.7 Cochise, Alamo; 6.6 Gen-91, Jaguar 3, Finelawn Petite, Falcon II, Lexus, Montauk, Duke, Leprechaun, SR8300; 6.5 MB-25-92, Rebel Jr., Tomahawk, MB-23-92, Rebel 3-D, Coronado, Guardian, Duster, Eldorado, Mirage, Virtue, Adobe, Bonsai Plus, Aztec, Bonsai, Twilight. *LSD=0.3.*

COLORADO, FORT COLLINS (sandy clay loam, 3.5 lb./N, 2.5" mowing): 6.9 Gen-91; 6.7 Rebel Jr., Houndog V, Lancer, Rebel 3-D; 6.6 Finelawn Petite, Falcon II, Coyote; 6.5 Jaguar 3, Tomahawk, Safari, Eldorado; 6.4 Pixie, SR8200, Duster, Montauk, Aztec. *LSD=0.5.*

DISTRICT OF COLUMBIA (silt loam, 1.5 lb./N, 2.5" mowing): 4.6 Arid; 3.8 Guardian, Falcon, Anthem; 3.7 Jaguar 3, Astro 2000; 3.4 SR8300; 3.3 Pixie, SR8400, KY-31 no endo. *LSD=1.0.*

GEORGIA, GRIFFIN (high pH, sandy clay loam, 3.5 lb./N, 2" mowing): 4.9 Jaguar 3, MB-25-92, Finelawn Petite, SR8200, Coronado, Adobe; 4.8 Rebel 3-D, Duke, Silverado, Apache, Avanti; 4.7 Pixie, Falcon II, Rebel Jr., Coyote, Emperor II, Safari, Mirage, Trailblazer II, Twilight. *LSD=0.6.*

TURF - TYPE TALL FESCUE

GEORGIA, GRIFFIN (*low pH, sandy clay loam, 3.5 lb./N, 2" mowing, no irrigation*): 4.0 SR8200, SR8400, Austin, Anthem, KY-31 w/endo; 3.7 Cochise, Bonsai Plus; 3.5 Mirage, Twilight, Falcon. *LSD=1.7.*

ILLINOIS, URBANA (*silt loam/silt, 1.5 lb./N, 2.5" mowing*): 6.9 Rebel Jr.; 6.8 Jaguar 3; 6.6 Gen-91; 6.5 Lancer, Vegas; 6.4 MB-25-92, Guardian; 6.3 Houndog V, SR8400; 6.2 SR8300, Austin; 6.1 Eldorado, Titan II, Virtue, Aztec, Anthem. *LSD=1.0.*

ILLINOIS, CARBONDALE (*silty clay loam, 4.5 lb./N, 2.5" mowing*): 7.2 Coyote; 6.9 Cochise; 6.8 Gen-91, SR8200; 6.7 MB-25-92; 6.6 Jaguar 3, Rebel Jr., Coronado; 6.5 SR8400, Emperor II, Eldorado, Shenandoah; 6.4 Pixie, Tomahawk, Safari, SR8300. *LSD=1.3.*

KANSAS, MANHATTAN (*silt loam/silt, 3.5 lb./N, 3.5" mowing*): 6.8 Gen-91, Lexus; 6.6 Falcon II; 6.5 MB-25-92, Micro DD, Cochise, Leprechaun; 6.4 Jaguar 3, Emperor II, Eldorado, Silverado, Virtue; 6.3 Finelawn Petite, Rebel Jr., Houndog V, Tomahawk, Coronado, SR8400, Mirage. *LSD=0.7.*

KENTUCKY, LEXINGTON (*silt loam/silt, 2.5 lb./N, 1.5" mowing*): 7.2 Falcon II; 7.1 MB-25-92; 7.0 Gen-91, Lexus; 6.9 Pixie, Coyote, Lancer, MB-23-92, Rebel 3-D; 6.8 Finelawn Petite, Houndog V, Tomahawk, Coronado, Emperor II; 6.7 Apache II. *LSD=0.4.*

LOUISIANA, CALHOUN (*sandy loam, 1.5 lb./N, 3.5" mowing*): 4.1 Titan 2; 3.9 Emperor II, Adobe, Anthem, KY-31 w/endo; 3.8 SR8300, Shenandoah, Bonanza II, Austin, Phoenix, Arid. *LSD=0.4.*

MARYLAND, BELTSVILLE (*high maintenance: loam, 3.5 lb./N, 1.5" mowing*): 7.7 Gen-91, Lexus; 7.6 Coyote; 7.5 Pixie, Finelawn Petite, Falcon II, Houndog V, Duster; 7.4 Lancer; 7.3 MB-23-92, Rebel 3-D; 7.1 Jaguar 3, Rebel Jr., Apache II, Trailblazer II; 7.0 Coronado, Micro DD, Eldorado. *LSD=0.4.*

MARYLAND, SILVER SPRING (*sand, light shade, 2.5 lb./N, 3" mowing*): 6.4 MB-23-92; 6.3 Lancer; 6.2 MB-25-92; 6.1 Houndog V; 6.0 Falcon II, Rebel Jr., Lexus, Guardian, Safari, Titan 2, Austin, Astro 2000; 5.9 Gen-91, Tomahawk, SR8400, Micro DD, Montauk, Cochise, Leprechaun, Avanti, SR8300, Shenandoah, Bonanza II, Alamo, Olympic II. *LSD=0.4.*

MASSACHUSETTS, DEERFIELD (*silty clay loam, 3.5 lb./N, 2" mowing*): 7.3 Coyote; 7.1 Gen-91, Coronado, Twilight; 7.0 Lexus; 6.9 Pixie, MB-25-92, Duster; 6.8 Tomahawk, Bonsai; 6.7 Micro DD; 6.6 Finelawn Petite, Falcon II, Lancer, Apache II; 6.5 Emperor II, Virtue. *LSD=0.7.*

MISSOURI, COLUMBIA (*silty clay loam, 3.5 lb./N, 2.5" mowing*): 8.8 Pixie; 7.7 Lexus, Guardian, Bonsai Plus; 7.5 SR8200; 7.3 Falcon II, Coyote, Rebel 3-D, SR8400, Duke, Avanti, Kittyhawk, Falcon; 7.2 Gen-91, Jaguar 3, MB-25-92, Rebel Jr., MB-23-92, Safari, Eldorado, Silverado, Vegas, Austin, Aztec, Olympic II, Twilight, Anthem. *LSD=0.6.*

MISSOURI, ST. LOUIS (*silty clay loam, 3.5 lb./N, 3" mowing*): 5.9 Apache II; 5.7 Gen-91, Finelawn Petite, Lexus; 5.5 Lancer, MB-23-92; 5.4 Houndog V, Coyote, Rebel 3-D; 5.3 Rebel Jr., Duster, Micro DD, Cochise, Bonsai Plus; 5.2 Falcon II, Coronado, Vegas. *LSD=0.7.*

TURF - TYPE TALL FESCUE

MISSISSIPPI, MISSISSIPPI STATE (*sandy clay loam, 3.5 lb./N, 3" mowing*): 6.2 Guardian; 6.1 Falcon II, Safari, Duke, Monarch; 6.0 Pixie, Houndog V, SR8200, Titan 2, Kittyhawk, Falcon, Anthem; 5.9 Rebel Jr., Lancer, MB-23-92, SR8400, Montauk, Avanti, SR8300, Bonanza II, Austin, Olympic II, Phoenix, Arid. *LSD=0.4.*

NEBRASKA, LINCOLN (*high maintenance: sandy clay loam, 3.5 lb./N, 3" mowing*): 6.6 Gen-91, Lexus; 6.4 Rebel Jr., Houndog V, Coyote, Lancer; 6.3 Pixie, Finelawn Petite, Tomahawk, MB-23-92, Duster, Vegas, Twilight; 6.2 Falcon II, Leprechaun; 6.1 Guardian, Micro DD, Safari. *LSD=0.7.*

NEBRASKA, LINCOLN (*low maintenance: sandy clay loam, 1.5 lb./N, 3" mowing*): 6.4 Gen-91, Finelawn Petite; 6.3 Jaguar 3; 6.0 Pixie, MB-25-92, Houndog V, Lancer, Guardian, Trailblazer II, Vegas, SR8300; 5.9 MB-23-92, SR8200, SR8400, Montauk, Silverado, Avanti, Virtue, Astro 2000. *LSD=0.7.*

NEW JERSEY, ADELPHIA (*sandy loam, 5.5 lb./N, 1.5" mowing*): 6.8 Falcon II; 6.7 Jaguar 3, Houndog V; 6.3 MB-25-92, Coyote; 6.2 Pixie, Lexus; 6.0 Coronado; 5.9 Gen-91, Finelawn Petite, Guardian, Eldorado; 5.7 Lancer, Tomahawk, Micro DD, Duke, Silverado. *LSD=0.7.*

PENNSYLVANIA, UNIV. PARK (*medium maintenance: silt loam/silt, 1.5 lb./N, 2" mowing*): 7.7 Rebel Jr., Duke; 7.6 Montauk; 7.5 MB-23-92; 7.4 Jaguar 3, Apache, Falcon II, Tomahawk; 6.9 Gen-91, MB-25-92, Cochise. *LSD=1.0.*

PENNSYLVANIA, UNIV. PARK (*silt loam/silt, 1.5 lb./N, four mowings/yr., no irrigation*): 4.9 Titan 2, KY-31 w/endo; 4.8 KY-31 no endo; 4.6 Olympic II, Phoenix, Arid; 4.5 Safari, Anthem; 4.3 Astro 2000; 4.1 Rebel Jr.; 4.0 SR8200, Shenandoah, Kittyhawk, Falcon. *LSD=0.7.*

RHODE ISLAND, KINGSTON (*silt loam/silt, 3.5 lb./N, 2" mowing*): 6.1 Aztec; 6.0 Jaguar 3, MB-25-92, Safari, Finelawn 88, Olympic II; 5.9 Gen-91, Micro DD, Kittyhawk, Astro 2000; 5.8 Rebel 3-D, SR8200, SR8400, Titan 2, Avanti, Bonsai Plus. *LSD=0.6.*

SOUTH DAKOTA, BROOKINGS (*silty clay loam, 1.5 lb./N, 2.5" mowing*): 6.5 Lancer, Titan 2; 6.4 Gen-91; 6.2 Jaguar 3, Eldorado, Alamo, Kittyhawk, Aztec; 6.1 Finelawn Petite, Safari, Mirage, Bonanza II; 6.0 Pixie, Coyote, Rebel 3-D, Silverado, Olympic II. *LSD=0.9.*

VIRGINIA, BLACKSBURG (*silt loam/silt, 3.5 lb./N, 2.5" mowing*): 6.0 Falcon II, Duster; 5.8 Gen-91; 5.6 Coyote, Shenandoah; 5.5 Pixie, SR8400, Emperor II, Duke, Silverado, Alamo; 5.4 Jaguar 3, Lancer, MB-23-92, SR8200, Montauk, SR8300. *LSD=0.6.*

VIRGINIA, VIRGINIA BEACH (*sandy loam, 3.5 lb./N, 2.5" mowing*): 6.3 Finelawn Petite; 6.0 MB-25-92, Coyote, Lexus; 5.8 Gen-91, Pixie, Lancer; 5.7 Jaguar 3, Falcon II, Houndog V, MB-23-92, SR8200, Coronado, MB-22-92, Emperor II, Aztec. *LSD=0.5.*

WASHINGTON, PULLMAN (*silt loam/silt, 0.5 lb./N, 2" mowing*): 6.9 Coyote; 6.5 Gen-91, Pixie; 6.4 MB-25-92, Emperor II; 6.3 Jaguar 3, Bonsai; 6.2 Lancer; 6.1 Finelawn Petite, Rebel Jr., Coronado, Guardian, Micro DD, Montauk, Vegas. *LSD=0.7.*