

# Turfgrass Varieties and Species for 1992

The 1992 turfgrass cultivar recommendations are a minor revision of the 1991 recommends. No cultivars have been dropped and only a few have been added. Any differences in the environmental adaptations and disease tolerances reflect the addition of one more year's data. The major difference in the 1992 recommends is organizational in that the ratings have been tabled. This should make the comparison of varieties easier.

The ratings reflect the data collected from the National Turfgrass Evaluation Program (NTEP) trials conducted at Ithaca and on Long Island as well as data from NTEP trials conducted elsewhere in the Northeast. The varieties recommended are ones for which there is a substantial performance record. The absence of newly released varieties on the list should not be interpreted as a critical judgement of those varieties but rather reflects the situation of having too little data to make

**KEY Color:** Li - light; MLI - medium light; M - medium; MD - medium dark; D - dark green; VD - very dark. **Density:** M - medium; MH - medium high; H - high; VH - very high. **Texture:** VF - very fine; F - fine; MF - medium fine; M - medium; MC - medium coarse; C - coarse. **Growth Habit:** VL - very low; L - low; ML - medium low; Er - erect; U - upright; S - slow; Vi - vigorous; NGr - non-grainy. **Establishment Rate:** S - slow; Mo - moderate; G - good; VG - very good; R - rapid; VR - very rapid. **Performance:** P - poor; Mo - moderate; G - good; VG - very good; E - excellent.

a recommendation with any confidence. New fine fescue and Kentucky bluegrass trials are currently under way and will result in changes in those recommendations as the data accumulates.

## Creeping Bentgrass

Creeping bentgrass is recommended for golf course greens, tees, and fairways, as well as bowling greens and grass tennis courts. Creeping bentgrass is not recommended for home lawns. Seeded cultivars other than those tabled below include: Emerald, Seaside and Prominent. The cultivars recommended below have been shown to have superior quality. Other varieties have not been adequately tested in New York.

The rating of each cultivar is best used to compare to other cultivars within the same species. While some scales are broadly equivalent across species, such as the ratings of Kentucky bluegrass and perennial ryegrass, others are not. One important example of a different scale of measurement is found in the leaf texture ratings between tall fescues and Kentucky bluegrasses. Fine textured tall fescues are fine in comparison to other tall fescues but are still relatively coarse textured when compared to bluegrasses.

Variety	Description			
	Color	Texture	Growth Habit	Establishment Rate
Cobra	D	MF	-	-
Penncross	M	M	Vi	R
Penneagle	M	F	S	S
Pennlinks	M	MF	NGr	-
Providence	D	MF	U, NGr	VR
Putter	M	MF	Vi	-

## Fine Leaf Fescues

Fine fescues perform well under low moisture and low maintenance (fertility, mowing) and should be maintained as such. Fine fescues may not do well under high maintenance conditions. Most cultivars and varieties perform well in shade. Fine fescues are best used in mixtures with shade tolerant bluegrasses.

Variety	Description		Adaptation					Disease Tolerance <sup>5</sup>			
	Color	Texture	Winter Color	Spring Green-up	Shade	Establishment Rate	Recuperative Potential	Leaf Spot	Red Thread	Dollar Spot	Powdery Mildew
<b>Chewings</b>											
Agram	MD	F	G	G	-	G	G	Mo	Mo	E	P
Atlanta*	M	F	Mo	Mo	VG	-	-	P	G	VG	Mo
Checker	M	VF	G	G	G	Mo	Mo	Mo	Mo	E	P
Enjoy	D	F	P	Mo	VG	-	-	Mo	G	E	Mo
<b>Highlight*</b>											
Highlight*	M	VF	VG	G	Mo	-	-	P	G	VG	P
<b>Jamestown*</b>											
Jamestown*	MD	F	Mo	G	Mo	-	-	Mo	P	VG	P
<b>Longfellow</b>											
Longfellow	D	F	G	Mo	Mo	-	-	G	G	G	Mo
<b>Victory</b>											
Victory	MD	MF	Mo	G	VG	-	-	P	G	G	G
<b>Creeping Red</b>											
<b>Flyer</b>											
Flyer	D	F	G	Mo	VG	VG	-	P	P	P	VG
<b>Hard</b>											
<b>Aurora</b>											
Aurora	MD	VF	G	G	VG	-	G	G	VG	VG	Mo
<b>Biljart</b>											
Biljart	D	F	Mo	G	VG	Mo	-	Mo	E	E	Mo
<b>Reliant</b>											
Reliant	MD	F	Mo	Mo	G	Mo	Mo	E	E	E	G
<b>Scaldis</b>											
Scaldis	D	F	G	G	VG	Mo	Mo	Mo	VG	VG	G
<b>Spartan</b>											
Spartan	D	F	G	G	E	Mo	-	G	VG	Mo	G
<b>SR 3000</b>											
SR 3000	D	F	G	G	G	-	-	G	E	VG	G
<b>Waldina</b>											
Waldina	D	VF	Mo	G	G	G	G	G	E	VG	G
<b>Sheep</b>											
<b>Bighorn†</b>											
Bighorn†	VD	F	Mo	Mo	VG	-	P	G	E	VG	G

\* Varieties not recommended for Long Island.

† Bighorn sheep fescue has a very slow growth rate and is a good choice for difficult to mow areas. Bighorn is also a good choice, in combination with forbs, for natural meadow settings.

<sup>5</sup> Where a specific disease resistance is desired, select cultivars with a rating of G, VG or E.

## Turfgrass Varieties

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### Kentucky Bluegrass

Kentucky bluegrasses are very well adapted to New York conditions and are recommended for home and general lawn areas, athletic fields, golf course roughs, tees and fairways maintained at greater than a 3/4 inch height. Kentucky bluegrasses perform well under a wide range of conditions. However, most cultivars do best in full sun. Use a blend of at least three varieties when using Kentucky bluegrass.

#### Part 1. Cultivar Descriptions and Disease Tolerances

Cultivar	Description				Disease Tolerance*				
	Color	Texture	Density	Growth Habit	Leaf Spot	Red Thread	Dollar Spot	Stripe Smut	Patch Diseases
Able 1	VD	M	H	L	VG	Mo	G	E	VG
Adelphi	VD	M	H	L	G	E	E	E	E
America	D	F	H	VL	G	Mo	E	E	VG
Aspen	D	M	M	ML	G	VG	VG	G	VG
Banff	MD	M	M	L	G	VG	G	E	VG
Baron	D	MC	H	L	Mo-G	G	Mo	G	VG
Blacksburg	VD	F	VH	L	VG	G	Mo	G	Mo-G
Bonnieblue	D	M	H	L	E	E	E	E	G
Bristol	D	M	H	L	E	E	E	E	E
Challenger	D	MF	H	ML	VG	VG	G	E	VG
Chateau	MD	M	H	L	VG	Mo	Mo	G	Mo-P
Columbia	MD	M	M	L	VG	Mo	Mo	E	E
Eclipse	D	M	M	L	E	E	E	E	E
Enmundi	D	M	M	VL	VG	VG	G	E	VG
Estate	MD	M	H	L	G	P	P	G	VG
Fylking	D	MF	H	L	G	G	Mo	G	Mo-P
Glade	D	M	H	L	Mo-G	Mo-P	Mo-P	E	E
Merit	D	MC	M	ML	Mo	VG	G	G	G
Midnight	VD	MF	H	L	E	Mo	VG	Mo	E
Mystic	MD	F	H	L	Mo-G	P	P	G	VG
Nassau	D	MC	M	ML	VG	E	G	E	VG
Princeton	VD	M	M	L	E	E	E	E	VG
Ram-1	D	MF	H	L	P	Mo	P	E	VG
Touchdown	M	MF	M	Er	G	VG	VG	E	Mo

\* Where a specific disease resistance is required, select cultivars with a rating of G, VG or E.

#### Part 2. Cultivar Adaptation to Environmental Conditions

Cultivar	Adaptation								
	Winter Color	Spring Greenup	Cold	Heat	Drought	Shade	Close Mowing	Establishment Rate	Low Fertility
Able 1	G	P	-	-	G	G	Mo	Mo	Mo
Adelphi	Mo	G	G	G	G	P	VG	Mo	P
America	Mo	Mo	Mo	Mo	VG	VG	G	G	VG
Aspen	E	E	G	G	G	Mo	G	Mo-G	Mo
Banff	VG	E	E	-	Mo	P	VG	G	G
Baron	Mo	P	Mo	-	VG	P	G	R	G
Blacksburg	Mo	P	P	G	E	G	G	Mo	Mo
Bonnieblue	E	VG	G	-	G	P	G	G	VG
Bristol	G	VG	G	-	E	VG	VG	Mo	Mo
Challenger*	VG	G	G	-	VG	Mo	Mo	Mo-G	P
Chateau	Mo	Mo	M	G	Mo	VG	Mo	G	Mo
Columbia	G	VG	G	G	Mo	Mo	VG	G	G
Eclipse	Mo	G	E	G	G	G	VG	Mo-G	G
Enmundi	Mo	Mo-P	G	G	G	VG	G	Mo-S	E
Estate	Mo	Mo	-	Mo	Mo	P	Mo	Mo-G	G
Fylking	G	Mo-P	G	-	Mo	P	Mo	Mo-G	E
Glade	Mo	G	G	-	G	G	G	Mo	VG
Merit	G	P	VG	VG	VG	P	VG	G	E
Midnight	Mo	P	G	-	G	P	VG	Mo	VG
Mystic	G	E	G	-	G	G	E	VG	Mo
Nassau*	VG	VG	G	G	VG	P	P	Mo-G	P
Princeton	E	VG	G	-	VG	G	Mo	G	G
Ram-1*	Mo	Mo	G	-	E	Mo-G	E	VG	VG
Touchdown	G	Mo	G	-	Mo	G	P	G	VG

\* Recommended for Long Island only.

## Tall Fescues

Tall fescues are recommended for lawns, athletic fields, and low maintenance areas. The newer turf type cultivars are much more attractive than their predecessors, although the turf is still much coarser than Kentucky bluegrass. Tall fescues have excellent drought avoidance, and perform well under lower nitrogen fertility regimes. Tall fescues, as a whole, have rapid vertical growth rates. Tall fescues are susceptible to winter kill, so we recommend that they be used only in southeastern New York, and within the immediate vicinity of Lakes Erie and Ontario. Tall fescues should be planted as a monostand. One season of growth is required before it can be used on recreational areas. Seed for some cultivars may not be available for all of 1992. Check with your seed dealer for availability.

Variety	Description					Adaptation			
	Color	Texture	Density	Growth Habit	Growth Rate	Shade	Close Mowing	Brown Patch Tolerance*	
Amigo	D	MF	M	ML	S	Mo	G	VG	
Austin	D	M	MH	M	-	-	Mo	VG	
Bonanza	D	M	MH	MH	-	Mo-P	Mo	Mo	
Chieftan	M	M	M	M	-	Mo	Mo	G	
Cimmaron	M	M	M	MH	-	P	P	Mo	
Cochise	VD	MF	MH	ML	S	Mo-P	Mo-G	E	
Eldorado	D	M	M	M	S	P	Mo	Mo	
Guardian	VD	VF	H	ML	S	E	Mo	VG-G	
Hubbard 87	VD	F	H	ML	-	E	VG	VG	
Jaguar	MLi	M	M	VEr	-	Mo-P	P	G	
Marathon	M	M	M	M	-	Mo-P	P	-	
Mustang	MLi	M	M	-	-	Mo-P	Mo-P	G	
Olympic	MLi	M	M	Er	S	G	P	Mo	
Olympic II	M	M	H	MH	S	G	Mo-P	VG	
Phoenix	M	MC	H	Er	S	Mo-G	Mo-G	VG	
Rebel	MLi	M	M	VEr	-	Mo-G	P	E	
Rebel II	MLi	F	MH	Er	-	Mo-P	Mo	E	
Safari	D	M	MH	M	-	E	VG	Mo	
Shenandoah	D	F	H	M	S	G	VG	Mo	
Wrangler	M	MF	MH	M	S	P	Mo-G	Mo	

\* Where brown patch resistance is desired, select cultivars with a rating of G, VG or E.

## Perennial Ryegrasses

Perennial ryegrass is an ideal grass where rapid establishment is necessary. Recommended uses include athletic fields, golf course fairways and tees, and in lawn mixtures with Kentucky bluegrass. Perennial ryegrass is adapted to southeastern New York conditions but it is susceptible to diseases and winterkill in the colder areas of upstate New York. Perennial ryegrass requires a medium level of maintenance.

Variety	Description		Adaptation					Disease Tolerance†				
	Color	Texture	Winter Color	Spring Green-up	Drought	Cold	Heat	Close Mowing	Leaf Spot	Brown Patch	Red Thread	Dollar Spot
Allstar*	MD	MF	G	G	E	G	G	Mo	G	E	VG	E
Blazer	MD	MF	G	VG	E	G	G	E	E	G	G	P
Citation II*	D	MF	VG	G	Mo	G	VG	VG	G	G	Mo	VG
Commander*	D	MF	Mo	Mo	E	E	VG	E	G	G	VG	E
Dasher II*	D	F	G	VG	G	G	VG	G	VG	VG	G	Mo
Derby	MD	F	VG	G	Mo	VG	VG	G	VG	G	VG	VG
Fiesta II	D	F	E	G	Mo	Mo-G	VG	Mo	G	G	Mo	VG
Manhattan II	D	F	G	G	G	Mo	G	G	E	VG	Mo	Mo
Omega II	D	F	Mo	Mo	Mo	Mo	G	E	VG	E	VG	Mo
Ovation	M	F	Mo	Mo-G	Mo	E	G	G	P	Mo	P	Mo
Pennant*	MD	MF	E	E	G	E	G	G	G	E	P	E
Pennfine	MD	MF	E	G	Mo	E	Mo	G	P	G	G	G
Premier	D	MF	E	E	G	G	G	G	G	E	VG	E
Ranger	M	MF	G	G	G	G	VG	Mo	VG	P	Mo	Mo
Repell*	D	MF	VG	VG	G	Mo	G	VG	VG	Mo	G	Mo
Riviera	D	MF	G	Mo	Mo	Mo-G	VG	Mo	VG	G	G	P
Runaway	MD	M	VG	Mo	Mo	G	G	VG	G	P	VG	G
Saturn*	D	M	G	VG	E	Mo-G	E	VG	G	E	Mo	E
SR 4000*	D	MF	Mo	G	Mo	G	VG	VG	G	E	Mo	VG
SR 4100*	M	M	Mo	E	G	G	E	G	VG	E	G	E
Yorktown II	D	F	G	G	G	G	G	G	G	VG	G	VG

\* Has shown resistance to surface feeding insects due to the presence of *Lolium* endophyte.  
† Where a specific disease resistance is desired, select cultivars with a rating of G, VG or E.