



## Turf-Type Tall Fescues for Northern California

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These results drive from a 4-year turf-type tall fescue variety trial conducted at the University of California Bay Area Research and Extension Center in Santa Clara. The study was financially supported by The Northern California Turf and Landscape Council, Golf Course Superintendent's Association of Northern California, and the University of California Cooperative Extension. The National Turfgrass Evaluations Program (NTEP) contributed both financial support and all grass seed.

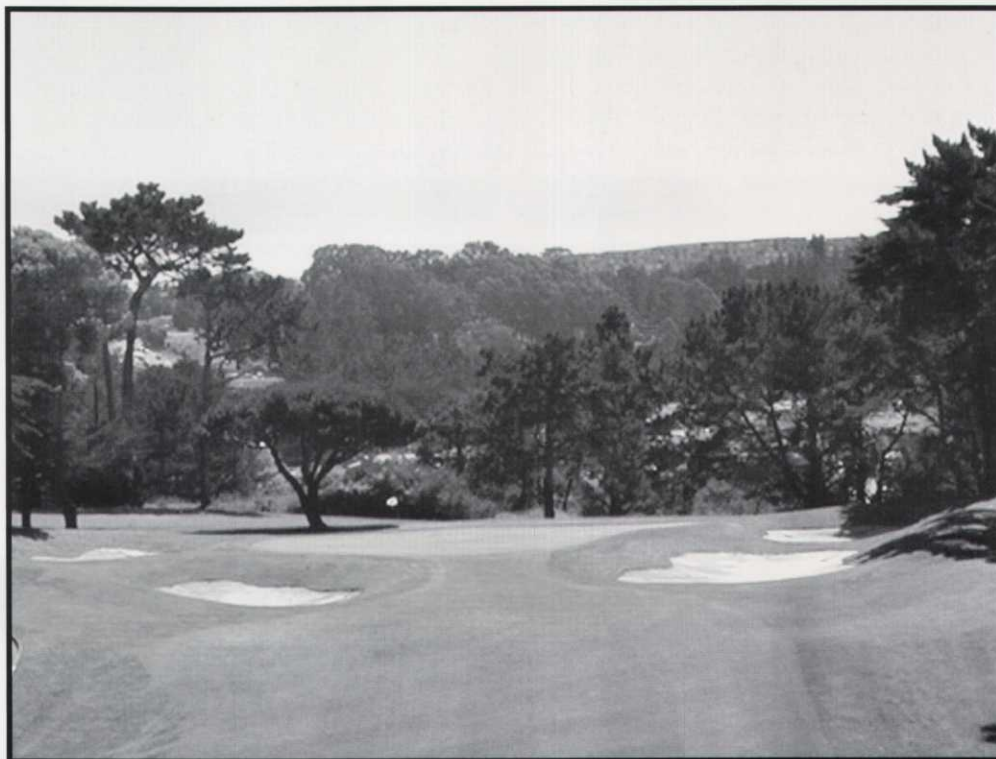
The 131 varieties were planted in October, 1996 and rated monthly from 1997 through 2000 for overall quality (turf score), as well as for individual quality components such as color, density, and texture. Seeding rate for all varieties was 9 lbs/1000 ft<sup>2</sup>.

All plots were in full sun and mowed at 2 inches, with clippings returned, and were fertilized with 4 pounds of nitrogen per 1000 ft<sup>2</sup> per year. Annual fertilization consisted of 1-2 pounds of each of phosphorus and potassium. Irrigation was based on 80% reference ET (Evapotranspiration). No dethatching, or disease and insect control were practiced during the study. The premergent herbicide oxadiazon (Ronstar G) was applied each fall.

The accompanying Table gives combined 4-year final results. Turf scores are averages of the 48 monthly ratings based on a scale of 1-9, with 9 representing the superior variety in terms of overall quality. Varieties are ranked in the Table from highest score to lowest. To determine "statistically" significant differences between varieties, the LSD (Least Significant Difference) must be used by subtracting one variety's turf score from another variety's turf score. Statistical differences between 2 varieties occur when this value is larger than the LSD value provided at the bottom of the Table. For example, given a LSD value of 0.4 for this



Above: 16th hole at Lake Merced GC. Below: 17th hole at Lake Merced GC



trial, the top 62 varieties are "statistically" the same, although their turf score varies from 7.1-6.7.

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Mean Turfgrass Quality Ratings  
(Turfscore) of Tall Fescue Varieties Grown  
in Santa Clara, California (1997-2000)

Name	Turfscore	Name	Turfscore	Name	Turfscore
Plantation	7.1	Bravo	6.7	MB 214	6.5
Bandana	7.0	Bulldawg	6.7	Pro 8430	6.5
Bonsai 2000	7.0	Cochise II	6.7	Rebel 2000	6.5
Crossfire II	7.0	MA 25	6.7	Renegade	6.5
CU9502T	7.0	ISI-TF9	6.7	Reserve	6.5
Jaguar 3	7.0	Mustang II	6.7	Safari	6.5
Masterpiece	7.0	OF1-951	6.7	Tomahawk-E	6.5
Millennium	7.0	Pick FA 15-92	6.7	Falcon II	6.4
Shenandoah II	7.0	PST-5TO	6.7	Finelawn Petite	6.4
Tulsa	7.0	Regiment	6.7	Genesis	6.4
Anthem II	6.9	Shortstop II	6.7	Helix	6.4
Aztec II	6.9	Southern Choice	6.7	Leprechaun	6.4
Brandy	6.9	SR 8210	6.7	Lion	6.4
Empress	6.9	SRX 8084	6.7	MB 28	6.4
Gazelle	6.9	TF6	6.7	OFI 931	6.4
MB 212	6.9	Tracer	6.7	OFI-96-32	6.4
MB 26	6.9	Twilight II	6.7	Pedestal	6.4
Pick RT-95	6.9	Wolfpack	6.7	Axiom	6.3
Rembrandt	6.9	Airlie	6.6	Comstock	6.3
Scorpio	6.9	Alamo E	6.6	Onyx	6.3
BAR-FA 6LV	6.8	Arid II	6.6	ISI-TF10	6.3
Coronado	6.8	Arizona	6.6	JTTFC-96	6.3
Coyote	6.8	DP 50-9011	6.6	Kitty Hawk S.S.T.	6.3
CU9501T	6.8	Durana	6.6	PSII-TF-10	6.3
Finelawn 5LZ	6.8	Duster	6.6	PSII-TF-9	6.3
Olympic Gold	6.8	EA 41	6.6	Velocity	6.3
Oncue	6.8	Equinox	6.6	WVPB-1B	6.3
Pick FA 20-92	6.8	MB 213	6.6	Bonsai	6.2
Pick FA XK-95	6.8	MB 29	6.6	Chapel Hill	6.2
R5AU	6.8	OF1-96-31	6.6	Good-En	6.2
Rebel Sentry	6.8	OF1-FWY	6.6	JSC-1	6.2
Red Coat	6.8	Pick FA N-93	6.6	JTTFA-96	6.2
SRX 8500	6.8	Pick FA UT-93	6.6	Marksman	6.2
Tar Heel	6.8	Pixie E+	6.6	MB 215	6.2
Wildfire	6.8	Sunpro	6.6	MB 216	6.2
Wyatt	6.8	Watchdog	6.6	Shanandoah	6.2
Apache II	6.7	WX3-275	6.6	WPEZE	6.2
Arabia	6.7	ATF-020	6.5	Titan 2	6.1
Arid 3	6.7	ATF-022	6.5	DLF-1	5.9
ATF-253	6.7	BAR-FA6 US2U	6.5	Arid	5.5
ATF-257	6.7	Coronado Gold	6.5	DP 7952	5.5
BAR-FA 6D	6.7	Dominion	6.5	AV-1	5.3
Barrera	6.7	Glen Eagle	6.5	Kentucky 31 w/Endophyte	3.5
Barrington	6.7	ISI-TF11	6.5		

LSD Value\*

0.4

\*LSD Value: To determine statistical differences between variety's, subtract one variety's mean from another variety's mean. Statistical differences between 2 varieties occur when this value is equal or lower than the LSD value (Least Significant Difference)