Registration of Crop Cultivars

REGISTRATION OF MAJESTIC KENTUCKY BLUEGRASS
(Reg. No. 11)
R. J. Peterson, G. W. Pepin, and C. R. Funk

'Majestic' Kentucky bluegrass (Poa pratensis L.) was developed by E. F. Burlingham & Sons from germplasm originating at the New Jersey Agric. Exp. Stn. The first commercial seed was harvested in 1972. P-84 was the experimental designation of Majestic.

Majestic is a first generation hybrid developed from the cross 'Bellevue' × 'Belturf' Kentucky bluegrass. An unseeded egg of 'Bellevue' was apparently fertilized by a reduced gamete from Belturf resulting in facultatively apomorphic hybrid possessing approximately 80 chromosomes. The 'Bellevue' (2n = ca 56) parent was selected from a fairway of the Bellevue Country Club near Syracuse, New York. The Belturf (2n = ca 49) parent was selected from an old turf stand at the Plant Industry Stn. at Beltsville, Md. The mode of reproduction of Majestic was determined by examination of field grown spaced-plant progenies.

Majestic is a moderately low-growing, leafy, turf-type bluegrass with rather prostrate leaf blades. It has medium texture and a dark green color. It turns green early in the spring and stays green into late fall with the ability to maintain good winter color in protected locations. The cultivar has good resistance to the leaf spot and crown root disease caused by Helminthosporium vagans Drechsler, and moderately good resistance to stripe smut incited by Ustilago striiformis (Westend.) Niessl, leaf rust caused by Puccinia pene-nemoralis Ooth. and snow mold caused by Typhula itoana Imai.

Majestic appears to be well suited as a component of bluegrass blends for quality lawns, parks and similar turf areas in regions where Kentucky bluegrass is well adapted. It appears to do best in regions where summer stress conditions are not too severe. Majestic is compatible in blends with most other Kentucky bluegrass cultivars and in mixtures with fine fescues and the improved turf-type ryegrasses.

Seed propagation is limited to two generations of increase from breeder seed, one each of foundation and certified. Breeder seed is produced in spaced-plant nurseries by E. F. Burlingham & Sons.

Plant patent 3299 has been issued for Majestic.

'Bellevue' Kentucky bluegrass (Poa pratensis L.) was developed by W. T. Gillis, a mimosaceous woody legume (Hawaiian name, "koa haole"). It was selected at the Univ. of Hawaii for its exceptional vigor and aggressive arboreal growth.

This self-pollinating variety was derived from seeds of PI 263995, a plant introduction received from the research Branch of the USDA in 1964 as a strain of Leucaena esculenta. It was selected at the Univ. of Hawaii for exceptional forage yields and wood productivity.

This self-pollinating variety was derived from seeds of PI 263995, a plant introduction received from the research Branch of the USDA in 1964 as a strain of Leucaena esculenta, from Zacatecas, Guerrero, Mexico. It is a clonal variant of a continuously-flowering species, L. latifolia (Leucaena leucocephala, glauca). It is distinguished by exceptionally vigorous growth.

Hawaiian Giant K8 represents the so-called "koa haole"). It was selected at the Univ. of Hawaii for its exceptional forage yields and wood productivity.

LEUCAENA
(Reg. No. 16)
J. L. Brewbaker

'Hawaiian Giant K8' is a variety of Leucaena leucocephala (L.) de Wit, a mimosaceous woody legume (Hawaiian name, "koa haole"). It was selected at the Univ. of Hawaii for its exceptional forage yields and wood productivity.

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