REGISTRATION OF CROP CULTIVARS

Seed of Florida earpon desmodium has been increased through the Florida Foundation Seed Producers, Inc., P.O. Box 309, Greenwood, Florida 32443, and several commercial growers. Breeder seed is being maintained by the Agric. Res. Ctr., P.O. Box 248, Fort Pierce, FL 33450.

2 Professor of agronomy and assistant of agronomy, Agricultural Research Center, P.O. Box 248, Fort Pierce, FL 33450; and professor of soil chemistry and former assistant professor of animal science, Agricultural Research and Education Center, P.O. Drawer A, Belle Glade, FL 33430, respectively.

REGISTRATION OF FIESTA
PERENNIAL RYEGRASS
(Reg. No. 73)

C. R. Funk, C. J. Petersen, W. K. Wiley, M. C. Pick, and D. King

‘Fiesta’ perennial ryegrass (Lolium perenne L.) is a 30-clone synthetic cultivar developed and released by Pickseed West, Inc. The first certified seed was produced in western Oregon in 1978. Pickseed R-32 was the experimental designation of Fiesta. The parental germplasm of Fiesta was developed at the New Jersey Agric. Exp. Stn. from progenies of plants collected from old turfs located in Maryland, New Jersey, New York, and Pennsylvania. The parental clones were initially selected for attractive appearance, early anthesis, and freedom from disease in spaced-plant nurseries. Polycross progenies were subsequently evaluated in turf trials maintained at two fertility levels and mowed at 2 cm.

Fiesta is a fine-textured, turf-type ryegrass capable of producing an attractive, moderately dense, moderately low-growing, persistent turf with a bright, dark green color. Fiesta has shown good winter hardness and good summer performance in New Jersey trials. It has exhibited moderately good resistance to the large brown patch disease incidence by Rhizoctonia solani Kuhn. This cultivar has the rapid germination, ease of establishment, and wear tolerance characteristic of most improved ryegrasses. It is recommended for use in full sun and in light to moderate shade on lawns, parks, and sports fields in regions where perennial ryegrass is well adapted. It is frequently mixed with a blend of improved Kentucky bluegrasses (Poa pratensis L.) for this purpose. Fiesta has also performed well for winter overseeding of dormant bermudagrass (Cynodon spp.) turfs on golf greens, tees, fairways, athletic fields, and lawns.

Breeder seed is produced by Pickseed West, Inc., P.O. Box 888, Tangent, OR 97389, with the cooperation of the New Jersey Agric. Exp. Stn. Seed propagation is limited to two generations of increase from breeder seed—each one of foundation and certified.

Application (No. 7900052) has been made for U.S. Plant Variety Protection.

REGISTRATION OF DASHER
PERENNIAL RYEGRASS
(Reg. No. 75)


‘Dasher’ perennial ryegrass (Lolium perenne L.) is a synthetic cultivar developed and released by Pickseed West, Inc. The parental germplasm developed at the New Jersey Agric. Exp. Stn., is originally derived from collections made from old turfs located in New Jersey, Pennsylvania, New York, and Maryland. The parental clones of Dasher were selected from spaced-plant nurseries. Three separate breeding composites (B, P, and L) were formed on the basis of attractive appearance, good resistance to disease, and soil adaptation. Polycross progenies were subsequently evaluated in turf trials maintained at two fertility levels and mowed at 2 cm.

The first certified seed was harvested in western Oregon in 1980. Pickseed R-33 was the experimental designation of Dasher.

Dasher is a fine-textured turf-type ryegrass capable of producing moderately dense, attractive, moderately low-growing, persistent turf with a bright, medium green color. It has the rapid germination, ease of establishment, good wear tolerance, and freedom from disease characteristic of most other improved ryegrasses. Dasher has excellent mowing qualities compared with common perennial ryegrass and many named cultivars. However, like other turf-type ryegrasses, clean mowing may be difficult under certain stress conditions unless the turf is well mowed and maintained in good condition.

Breeder seed of Dasher is produced by Pickseed West, Inc., P.O. Box 888, Tangent, OR 97389, with the cooperation of the New Jersey Agric. Exp. Stn. Foundation and certified generations are recognized for seed increase. Application (No. 7900501) has been made for U.S. Plant Variety Protection.

ACKNOWLEDGMENTS

Some of this work was performed as part of NJAES-Project No. 15166, supported by New Jersey Agric. Exp. Stn. Grants and gifts. Additional support was received from Association Green Section Research and Education.

2 Research professor and professor, respectively, Soils and Crops Dep., New Jersey Agric. Exp. Stn.; director, professor, and agronomist, respectively, Pickseed West, Inc., Tangent, OR 97389.