plants having long, narrow, drooping leaves. Stems are straight-necked and yellow at maturity. Distance from the flag leaf to the spike ranges from 14 to 22 cm; the collar is closed and the basal internode is straight and 1 to 3 mm long. The rachis is tough with glabrous edges.

Kline is resistant to spot blotch, caused by *Cochliobolus sativus* (Ito & Kurib.) Drechs. ex Dast., and barley yellow dwarf virus (BYDV). It is moderately resistant to leaf rust and scald, caused by *Rhynchosporium secalis* (Oud.) J.J. Davis. Kline is moderately susceptible to septoria glume blotch, caused by *Leptosphaeria nodorum* Müller, and is susceptible to powdery mildew and loose smut, caused by *Ustilago nuda* (Jens.) Rostr. Powdery mildew is not a serious disease in *U. nuda* to powdery mildew and loose smut, caused by *Erysiphe polygoni* DC.) free of powdery mildew (caused by *Erysiphe polygoni* DC.)

WW-Spar is a valuable grass for forage when used in improved pasture or range. WW-Spar is also useful for soil stabilization and wildlife cover.

Breeder seed will be maintained at the Soil Conservation Service, Woodward, Oklahoma. Foundation seed is available through the Oklahoma Foundation Seed Association, Oklahoma State Univ.

C. L. Dewald, P. L. Sims, P. I. Coyne and B. M. Cunfer (1)

References and Notes

1. Associate professor of agronomy, Univ. of Georgia, Athens, GA 30602; professor of agronomy, Coastal Plains Exp. Stn., Tifton, GA 31793; associate professor of agronomy and professor of plant pathology, respectively, Georgia Exp. Stn., Experiment, GA 30212. Registration by Crop Sci. Soc. of Am. Accepted 8 Feb., 1985.

REGISTRATION OF ‘WW-SPAR’ BLUESTEM

WW-Spar yellow bluestem, *(Bothriochloa ischaemum* (L.) Keng. var. *ischaemum* (Hack.) Celarier and Harlan, (Reg. no. 6) was released jointly by the USDA-ARS and the Oklahoma Agric. Exp. Stn. in 1982. It was received as PI 301573 from the Southern Regional Plant Introduction Station by the USDA, ARS, Southern Plains Range Research Station in Woodward, OK in 1976 as a part of Regional Project S-9. It was evaluated regionally under the Woodward designation WW-573.

‘WW-Spar’ bluestem is a perennial tufted bunchgrass with an upright growth habit. It has light green foliage with mostly basal leaves, 3 to 6 mm wide and 200 to 300 mm long at maturity. Foliage height will average about 0.50 to 0.75 m with seed stalks reaching 1 to 1.5 m lengths. Stems are yellowish with brown, glabrous nodes. With greenish

REGISTRATION OF ‘FLARE’ RED CLOVER

FLARE red clover *(Trifolium pratense* L.) (Reg. no. 4) was developed by Nickerson American Plant Breeders. Experimental designation was NAPB 7602.

‘Flare’ was selected from a 3-year-old nursery near Columbia, MO, which had been decimated by disease and drought. Approximately 400 plants which were relatively free of powdery mildew (caused by *Erysiphe polygoni DC.*), anthracnose (caused by *Colletotrichum trifolii*), and powdery mildew. Flare has been tested in the yellow bluestems tested (2).

In a 3-year clipping trial at Woodward, OK, production of WW-Spar averaged 4270 kg ha⁻¹ compared to 3255 kg ha⁻¹ for Plains bluestem. In beef production studies at the Southern Plains Experimental Range Research Station, Stillwater, OK 74075, WW-Spar produced 120 kg beef ha⁻¹ and 192 kg beef ha⁻¹ in a year-long grazing program.

WW-Spar bluestem is a valuable grass for forage when used in improved pasture or range. WW-Spar is also useful for soil stabilization and wildlife cover.

Breeder seed will be maintained at the Soil Conservation Service, Woodward, Oklahoma. Foundation seed is available through the Oklahoma Foundation Seed Association, Oklahoma State Univ.

C. L. Dewald, P. L. Sims, P. I. Coyne and B. M. Cunfer (1)

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