S₂-derived lines were evaluated in Iowa for chlorosis resistance on calcareous soil and for maturity and seed yield on noncalcareous soil in comparison with A2 and 'Weber'. A2 is a germplasm line that had the highest level of resistance to iron-deficiency chlorosis available before A7 was identified (4). Weber is a cultivar with moderate resistance to iron chlorosis (1). The line that has been designated A7 had an average chlorosis rating of 1.1 compared with a rating of 2.8 for A2 and 3.1 for Weber. The ratings were based on a range from 1, no yellowing, to 5, severe yellowing. A7 averaged 2 days earlier in maturity than A2 and 1 day earlier than Weber, and is considered to be of Group I maturity. Average seed yields per hill plot were 201 g for A7, 206 g for A2, and 253 g for Weber.

A7 has purple flowers, gray pubescence, tan pods at maturity, and dull yellow seeds with yellow hila. Its seed is distributed by the Committee for Agricultural Development, Iowa State Univ., Ames, IA 50011. Breeder seed will be maintained by the Iowa Agriculture and Home Economics Experiment Station, Ames.

W.R. FEHR, B.K. VOSS, AND S. RODRIGUEZ DE CIANZIO (6)

References and Notes

REGISTRATION OF NP22 SUDANGRASS GERMLASM

'NP22' SUDANGRASS [Sorghum bicolor (L.) Moench] [formerly S. sudanense (Piper) Staph] (Reg. No. GP138), a random-mating population carrying the m₄₃ gene and selected primarily for low dhurrin content, is generally similar in appearance to 'Piper' sudangrass with mostly dry stalks (white midrib) and purple plant color. Seed color is heterogeneous and includes straw, sienna, mahogany, and black glumes. NP22 was developed cooperatively by USDA-ARS and the Nebraska Agricultural Experiment Station. The hydrocyanic acid (HCN) potential of field-grown seedlings indicated that NP22 seedlings averaged 156 ± 9.7 ppm HCN (fresh weight basis) compared to 500 ± 25.7 ppm HCN for Piper and 526 ± 10.4 for 'Greenleaf' seedlings grown in the same test.

Seed of NP22 will be maintained and distributed in small quantities by the Dep. of Agronomy, Univer., Lincoln, NE 68583.

H.J. GORZ, F.A. HASKINS, S.D. KINDLER, AND A. SOTOMAYOR-ROS (2)

References and Notes
2. Supervisory research geneticist, USDA-ARS; George presents, Dep. of agronomy, Dep. of Agronomy, Univer. of Nebraska, Dep. of agronomy, USDA-ARS, Lincoln, NE; and USDA-ARS, Mayaguez, PR. Registration by the Crop Sci. Soc. of Am. Cooperative inves- tigation. Published by the Nebraska Agric. Exp. Stn. Journal Series, Nebraska Agric. Exp. Stn. Accepted 1 Oct. 1983.

REGISTRATION OF MD 286 WHEAT GERMLASM

MD 286 WHEAT (Triticum aestivum L.) (Reg. No. 474581), is a soft red winter wheat germplasm released jointly by the Maryland Agricultural Experiment Station and the USDA-ARS in 1983. MD 286 is derived from backcrosses to 'Norin 5'.

H.J. GORZ, F.A. HASKINS, S.D. KINDLER, AND A. SOTOMAYOR-ROS (2)