REGISTRATION OF ALAMO SOYBEAN
(Reg. No. 129)

K. Hinson, E. E. Hartwig, and A. Scott

'ALAMO' soybeans [Glycine max (L.) Merr.] originated as an F1 line developed from the cross D49-2491 × PI 240664 backcrossed to D49-2491. D49-2491 is closely related to and very similar to 'Lee'. PI 240664, an introduction from the Philippines, was used as a parent to contribute growth characteristics for better adaptation to short day regions. The original crosses were made at Gainesville, Fla., and all selections were made there. The line F67-5132 (Alamo) was included with material evaluated in the Rio Grande Valley (lat 26°) where it proved adapted for planting after harvest of a sorghum crop. It is classified as Group IX maturity. It flowers 8 days later than 'Hardee' when planted in early August in the Rio Grande Valley of south Texas. This later flowering permits Alamo to make 'Hardee' when planted in early August in the Rio Grande Valley. Alamo has purple flowers, tawny pubescence, and tan pod walls. Seeds are yellow with black hilum. Average weight of 100 seed is 16 g. It is resistant to bacterial pustule (caused by Xanthomonas phaseoli (E. F. Smith) Dows. var. sojensis (Hedges) Starr. and Burkh.); wildfire (caused by Pseudomonas tabaci (Wolf & Foster) F. L. Stevens); and target spot (caused by Corynespora cassiicola (Burk. & Curt.) Wei).

Alamo has proved to be better suited for production on the alkaline soils of the Rio Grande Valley than on the more acid soils of southern Florida. Breeder's seed will be maintained by Rio Farms, Inc., Edcouch, TX 78558.

REGISTRATION OF CAPITAN WHEAT
(Reg. No. 619)

R. E. Finkner, J. W. Schmidt, and V. A. Johnson

'CAPITAN' wheat (Triticum aestivum L. em Thell), CI 17591, is a hard red winter wheat selected in the F1 generation from the cross, 'Pawnee'/Cheyenne'/3/Pawnee'/Kenya 58'/Cheyenne', made in 1959 at the Nebraska Agric. Exp. Stn. It was developed cooperatively by the Nebraska Agric. Exp. Stn., and AR, SEA, USDA, working in cooperation with Florida Agric. Exp. Stn., Gainesville, FL 32611; research agronomist, AR, SEA, USDA, working in cooperation with the Delta Branch, Mississippi Agric. and For. Exp. Stn., Stoneville, MS 38776; director of research, Rio Farms, Inc., Edcouch, TX 78558.

Capitan is a midseason winter wheat similar to 'Centurk' in maturity. It is similar to 'Scout' in winterhardiness, plant height, and straw strength. The spike is white, awned, tapering, erect, and mid-dense. Glumes are glabrous, white, midlong, and wide; with the laterals, adnate to spikelets. Dark red, smooth, hard, and round. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense. The spike is white, awned, tapering, erect, and mid-dense.

Capitan has proved to be better suited for production on the alkaline soils of the Rio Grande Valley than on the more acid soils of southern Florida. Breeder's seed will be maintained by Rio Farms, Inc., Edcouch, TX 78558.

REGISTRATION OF AGATE WHEAT
(Reg. No. 620)

J. W. Schmidt, V. A. Johnson, P. A. Dreier, and D. V. Meier

'AGATE' wheat (Triticum aestivum L. em Thell), CI 17591, is a hard red winter wheat selected in the F1 generation from the cross 'Pawnee'/Cheyenne'/3/Kenya 58'/Cheyenne'/Tenmarq'/Mediterranean'/Hope'. It was developed cooperatively by the Nebraska Agric. Exp. Stn. and the AR, SEA, USDA, during the 1972-75 Nebraska yield trials, the 1972-73 Southern Performance Nursery, and 1976 Southern Performance Nursery as NE69442.

Agate is a medium to late maturing winter wheat similar to 'Scout 66' in height. The spike is awned, long, and mid-dense; it is usually carried upward. Glumes are white, glabrous, medium long, with slightly narrow and mostly sloping tips. The spike is 13 cm long. The kernels are red, medium to large, and long, with a kernel weight slightly less than Scout 66. The kernels have a medium to short, rounded cheeks, and short brush; they are not collared.

Agate is similar to Scout 66 in winterhardiness, yield potential, and baking characteristics. It has good milling and baking characteristics. Its resistance to wheat streak mosaic virus, Septoria leaf blotch (in-