REGISTRATION OF CROP CULTIVARS

REGISTRATION OF ASTRO OATS

(Reg. No. 258)

N. F. Jensen

‘Astro’ oats (Avena sativa L.), CI 9160, (New York Selection 5279-105) was developed by workers at the Cornell University Agricultural Experiment Station at Ithaca and subsequently received wider testing in cooperation with the Agricultural Research Service, U.S. Department of Agriculture, and other state experiment stations. Astro is from the cross, ‘Alamo’ 4X ‘Garry Sel.5’ (CI 6589) 3X ‘Goldwin’ 2X ‘Victoria’ X ‘Rainbow,’ made at Ithaca in 1952; this is also the cross that produced ‘Orbit.’ The F2 plant, which eventually became Astro was selected in 1957, grown as a head row in 1958, and entered the Ithaca rod row yield trials in 1959.

Astro was approved for release and named in 1972. Breeder seed was initially produced at Ithaca in 1971, followed by foundation and certified increases in 1972 and 1973, respectively. The recognized classes of seed are breeder, foundation, and certified (founder seed is required for the production of certified seed). Breeder seed will be maintained by the Cornell University Agricultural Experiment Station.

Performance data and other information on Astro was reported by Jensen and Pardee.

1 Registered by Crop Science Society of America. Received April 16, 1974.
2 Professor of Plant Breeding, Cornell University, Ithaca, NY 14850.

REGISTRATION OF CP 65-357 SUGARCANE

(Reg. No. 35)

R. D. Breaux, H. P. Fanguy, R. J. Matherne, and P. H. Dunckelman

‘CP 65-357’ sugarcane (Saccharum sp.), a trispecies hybrid involving S. officinarum L., S. spontaneum L., and S. Barberi Jesw., is a selection from the cross CP 52-68 X CP 53-17. The cross was made at Canal Point, Florida, during the 1960 crossing season. CP 65-357 was developed through cooperative research of the Agricultural Research Service, the Louisiana Agricultural Experiment Station, and the American Sugar Cane League of the U.S.A., Inc., and was released to the Louisiana Agricultural Experiment Station in 1976.

CP 65-357 is susceptible to infection by the sugarcane mosaic virus; however, preliminary field results indicate resistance to the disease.

Seedcane of CP 65-357 will be maintained by the Department of Agriculture at the U.S. Sugar Cane Laboratory, Houma, Louisiana.

REGISTRATION OF L 60-25 SUGARCANE

(Reg. No. 36)

Louis Anzalone, Jr., E. D. Paliatseas, M. J. Giamalva, and S. J. P. Chilton

Clone ‘L 60-25’ [Saccharum officinarum, S. spontaneum (India) hybrid] is a selection from the cross CP 52-68 × CP 48-103 made in 1956. The cross and primary stages of selection were made at the Louisiana Agricultural Experiment Station, Louisiana State University, Baton Rouge, and released in 1966 by the Louisiana sugarcane improvement program, a cooperative effort of the Louisiana Agricultural Experiment Station, the American Sugar Cane League, and the Agricultural Research Service, U.S. Department of Agriculture.

L 60-25 is a medium barrel, low fiber, early-maturing sucrose clone. When harvested early, L 60-25 exceeds CP 52-68 and CP 48-103 in yield of sugar per metric ton of cane. L 60-25 is similar to CP 52-68 in milling and juice extraction.

Clone ‘L 60-25’ is tolerant to ratoon stunting disease, moderately susceptible to the sugarcane mosaic disease, and susceptible to red rot, resistant to sugarcane mosaic virus, and susceptible to the disease.

The Louisiana Agricultural Experiment Station and the American Sugar Cane League will maintain seed.

REGISTRATION OF L 65-69 SUGARCANE

(Reg. No. 38)

Louis Anzalone, Jr., E. D. Paliatseas, M. J. Giamalva, and S. J. P. Chilton

Clone ‘L 65-69’ [Saccharum officinarum, S. spontaneum (Java) hybrid] is a selection from the cross CP 52-1 × CP 48-103 made in 1961. The cross and primary stages of selection were made at the Louisiana Agricultural Experiment Station, Louisiana State University, Baton Rouge, Louisiana. L 65-69 was released by the Louisiana sugarcane improvement program, a cooperative effort of the Louisiana Agricultural Experiment Station, the American Sugar Cane League, and the Agricultural Research Service, U.S. Department of Agriculture.

L 65-69 is a medium barrel, early-maturing sucrose clone. Juice extraction of L 65-69 is somewhat lower than that of CP 52-68.

REGISTRATION OF L 60-25 SUGARCANE

(Reg. No. 36)

Louis Anzalone, Jr., E. D. Paliatseas, M. J. Giamalva, and S. J. P. Chilton

Clone ‘L 60-25’ [Saccharum officinarum, S. spontaneum (Java) hybrid] is a selection from the cross CP 52-1 × CP 48-103 made in 1961. The cross and primary stages of selection were made at the Louisiana Agricultural Experiment Station, Louisiana State University, Baton Rouge, Louisiana. L 65-69 was released by the Louisiana sugarcane improvement program, a cooperative effort of the Louisiana Agricultural Experiment Station, the American Sugar Cane League, and the Agricultural Research Service, U.S. Department of Agriculture.

L 65-69 is a medium barrel, early-maturing sucrose clone. Juice extraction of L 65-69 is somewhat lower than that of CP 52-68.

1 Registered by the Crop Science Society of America. Received April 26, 1974.
2 Professor and Associate Professor, Department of Plant Pathology; Professor and Head, Sugar Station; and Professor and Head, Department of Plant Pathology, Louisiana State University, Baton Rouge, LA 70803.

REGISTRATION OF L 65-69 SUGARCANE

(Reg. No. 38)

Louis Anzalone, Jr., E. D. Paliatseas, M. J. Giamalva, and S. J. P. Chilton

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L 65-69 is a medium barrel, early-maturing sucrose clone. Juice extraction of L 65-69 is somewhat lower than that of CP 52-68.