REGISTRATION OF BRIDGER WHEAT

(Reg. No. 498)

Wade G. Dewey

'Bridger' wheat, (Triticum aestivum L. em. Thell.), U.S. Department of Agriculture, Bridger originated as a single F₁ selection from the cross 'Delmar'/'Columbia'. The cross was made in 1959 and the final selection was made in 1964. Bridger was tested at dryland locations in Utah from 1966-1969 and in the Western Regional Nursery during 1968-1969, prior to its release in 1969.

Bridger has at least one major advantage over each of the dryland winter wheat cultivars presently grown in Utah. It threshes better than Delmar; it has better baking quality than 'Cache', and it has better dwarf smut resistance than 'Ihana,' 'Tendoy,' 'Wanser,' and 'McCall.' It has medium-to-strong dough handling properties and good baking characteristics. It has moderate resistance to most races of dwarf and leaf and stripe rust.

Reg. No. 499

Bridger is being recommended for those dryland areas of northern and central Utah where 'Cache' presently predominates. Breeder seed of Bridger will be maintained by the Utah Agricultural Experiment Station.

REGISTRATION OF FREMONT WHEAT

(Reg. No. 499)

Wade G. Dewey

'Fremont' spring wheat, (Triticum aestivum L. em. Thell.), U.S. Department of Agriculture. Fremont derives from 'Hussar'/'Turkey'/'Ridic'/S/Ox/2Ridic4/4/Norin 10'/Brevor'/5/Leer'/5/Svenno' parentage. The final cross, involving the Swedish spring wheat cultivar Svenno and a dwarf winter wheat breeding line, was made in 1957. An F₂ selection made in 1962 was increased and tested in irrigated trials from 1964-1966. In 1967, 100 F₃ rows were grown and an unexpected segregation for spring vs. winter growth habit was observed. Thirty-seven rows were of the spring type. These were harvested individually and tested for bread-making characteristics. One was selected for further testing and eventual increase. Foundation seed was released in 1970.

Fremont is a semidwarf, hard red spring wheat. It is bearded, white-chaffed, has unusually large heads, and is medium in maturity. It has medium dough handling properties and bakes into a fair-to-good loaf. It has moderate resistance to stripe rust.

Reg. No. 500

Fremont is being recommended in Utah for use under irrigating and conditions of high soil fertility. Under these conditions it has demonstrated a consistent yield advantage over the standard tall spring wheat cultivars grown in this area. Breeder seed of Fremont will be maintained by the Utah Agricultural Experiment Station.

REGISTRATION OF INIA 66 WHEAT

(Reg. No. 501)

INIA and CIMMYT Wheat Programs

'Inia 66' wheat (Triticum aestivum L. em. Thell.) C.I. 14195 was developed from the cross 'Lerma Rojo 64' × 'Sonora 64' by the Cooperative Program of the Instituto Nacional de Investigaciones Agrícolas (INIA) and the International Maize and Wheat Improvement Center (CIMMYT) in Mexico. The cross and selection number was II-19008-83M-100Y-100C. The cultivar was released in 1966.

INIA 66 is an early spring wheat, (75 days to heading). It is a one-gene semidwarf averaging 95 to 105 cm in height with strong straw. The spike is white, fully awned, medium, and nodding. The kernels are red, large, and hard. It has a very high grain test weight. Resistance to stripe and stem rusts is good but it is susceptible to the prevalent races of leaf rusts in Mexico. It has excellent yield potential and wide adaptation as shown by results of the 3rd, 4th, and 5th International Spring Wheat Yield Nurseries (ISWYN). It has good bread-making characteristics. Experimental quantities of seed of Inia 66 may be obtained from CIMMYT, Londres 40, Mexico 6 D.F. Commercial quantities may be obtained from the Productora Nacional de Semillas, Progreso 3, Coyoacán D.F.

Reg. No. 502

INIA and CIMMYT Wheat Programs

'Pitic 62' wheat (Triticum aestivum L. em. Thell.) C.I. 13927 was developed by the Mexican Ministry of Agriculture and The Rockefeller Foundation from the cross 'Yaktana 54' × 'Norin 10'. 'Brevor 26-1c' The cross and selection number was II-7064-1Y-1H-1R-2M. It was released in 1962.