REGISTRATION OF FIELDWIN WHEAT
(Reg. No. 604)


'Fieldwin' (Triticum aestivum L. em. Thell.) CI 17425, is a soft white spring wheat released jointly by the FR-SEA-USDA and the Idaho Agric. Exp. Stns. in 1977.

Fieldwin was selected from the cross of 'Yakima 54A'/*2//'Norin 10'/*Brebor'/*2//'Yaqi 50'*/Norin 10/Brebor//'Baart'/*Onas' made at the Aberdeen Research and Extension Center of the Idaho Agric. Exp. Stn. in 1965. The cultivar resulted from a single F1 line selected in 1969. It has been evaluated in Idaho yield trials since 1970 and in the Western Regional Spring Wheat Nursery since 1974.

Fieldwin was selected from the same cross as 'Fielder'. Although similar in appearance, it averages 3 cm taller and 1 day later in maturity than Fielder. The average height of Fieldwin grown under irrigation in southern Idaho is 83 cm, with a range of 68 to 96 cm. Individual plants of Fieldwin may vary as much as 5 cm in height. It is a stiff-strawed cultivar with spikes that are erect to inclined, awned, fusiform to oblong and middense. Glumes are white, middense, shoulders midlong and midwide; shoulders narrow and oblique to square, beaks narrow, acuminate and 2 to 6 mm long. Kernels are soft, white, ovate and middense, crease midwide and middeep; cheeks rounded; brush mid-sized and short.

Fieldwin is moderately resistant to the prevalent races of stripe (Puccinia striiformis West), stem (Puccinia graminis Pers. f. sp. tritici), and leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) races of leaf and powdery mildew (Erysiphe graminis DC. ex. Mérat f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici). The awns are short, and the spikelets are moderately to densely arranged; and the pen- duncle is S-shaped. The glumes are glabrous, white, middense, shoulders midlong and midwide; shoulders narrow and oblique to square, beaks narrow, acuminate and 4 to 15 mm long. Kernels are hard, red, middense, ovate; crease narrow and middeep; cheeks rounded; brush mid-sized and short.

Fieldwin has been moderately susceptible to the races of powdery mildew (Erysiphe graminis DC. ex. Mérat f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici) and moderately resistant to races of leaf (Puccinia recondita Rob. ex. Desm., f. sp. tritici). It is a 1964 field selection with resistance to powdery mildew and stripe rust.

Breeder seed will be maintained by the University of Idaho Research and Extension Center at Tetonia, ID 83452.

REGISTRATION OF MODOC DURUM WHEAT
(Reg. No. 608)

Y. P. Puri, C. O. Qualset, and H. E. Vogt

'Modoc' wheat, Triticum turgidum L. (durum) was released in 1975 by the California Agric. Exp. Stn. in cooperation with the USDA; originated from the cross UC 69494, D7069/'Zenati Bouteille'/Wells and was designated II 22234-6M-1Y-OM by CIMMYT in Mexico. Leeds is a tall cultivar with good semolina quality developed by USDA-SEA and North Dakota State Univ. Modoc traces to a single F1 line (TL72-768) which was bulked in 1972. Subsequent seed increases were made at the Imperial Valley Field Stn. in 1973 and 1974, where trials were made. Breeders seed was developed from F2 lines grown at Tulelake in 1974. Founders were produced at Tulelake in 1975. Modoc was entered in performance trials in California in 1974, designated TL72-768.

Modoc has spring growth habit, is relatively photoperiod insensitive, and has erect, oblong, and long-awned spikelets that are about twice as long as the spike. The spikelets of the spike are moderately to densely arranged; and the penduncle is S-shaped. The glumes are glabrous, white, middense, shoulders midlong and midwide; shoulders narrow and oblique to square, beaks narrow, acuminate and 4 to 15 mm long. Kernels are soft, white, ovate and middense, crease midwide and middeep; cheeks rounded; brush mid-sized and short.

Kernels of Modoc are amber, hard, medium-large, essentially brushless; the germ is large, creating only a shallow space between the shal low and cheeks are rounded.

Modoc is short-statured (about 90 cm), shorter than Leeds. It is stiff-strawed, lodging resistant, and, because of strong glumes, slightly more resistant to rust than other currently used durum wheats. It is susceptible to current races of stripe rust (Puccinia striiformis West) and powdery mildew (Erysiphe graminis E. Marchal).

Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. It has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds. Modoc has yielded 20% or more grain than Leeds and 'Sentry'; its milling and semolina qualities are comparable to those of Leeds.