Registration of ‘GA-ANDY’ Wheat

‘GA-ANDY’ (Reg. no. CV-783, PI 561843), a soft red winter wheat (*Triticum aestivum* L.), was developed at the University of Georgia Agricultural Experiment Station in cooperation with the USDA-ARS and released in 1990. GA-Andy was derived from the cross: ‘Coker 68-15’ *2// ‘Libellula’ / ‘Aurora’ in 1978. It was named to honor Dr. O. E. Anderson, the former Agronomy Department Head at the Georgia Station, Griffin. The cultivar was developed using a modified pedigree method of breeding. Individual spike selections were made in the F₂, F₃, F₄, and F₅ generations at Griffin, GA. GA-Andy resulted from the bulking of a single row selected from 100 head rows in the F₂ generation. GA-Andy was evaluated for agronomic performance as Ga 791197-3 in nursery plots in 1985 and 1986, state trials at six locations in 1987, 1988, and 1989, and in the Uniform Southern Soft Red Winter Wheat Nursery at 30 locations in 1989 and 1990.

GA-Andy is an early maturing, medium height, white-chaffed, stiff strawed, and apically awnless cultivar with high yield potential. During 3 yr (3 locations yr⁻¹) in the Coastal Plain region of Georgia, GA-Andy’s yield (3040 kg ha⁻¹), was superior to ‘Florida 303’, and ‘Coker 9323,’ (2970, and 2640 kg ha⁻¹), respectively (1). It is 3 d earlier in maturity and similar in test weight (745 kg m⁻³), height (84 cm), and lodging resistance (25%) to Florida 303. Milling and baking quality characteristics of GA-Andy are rated acceptable for soft red winter wheat use by USDA-Soft Wheat Quality Laboratory, Wooster, OH.

The spikes are middense, oblong, and erect. The glumes are glabrous, midwide, and short with oblique beaks. Kernels are red, midlong, and elliptical; the kernel crease is midwide and short; the kernel cheek is midsized and short; the kernel beaks are midsized and tapering. The kernel is red in color, midsize with rounded cheeks and a narrow and mid-deep kernel crease. The kernel brush has no collar and is medium in length. The kernel is red, midlong, and elliptical; the kernel brush is midsized and short; the kernel cheek are rounded and the kernel beaks are midsized and tapering. The grain is red, midsize with rounded cheeks and a narrow and mid-deep kernel crease. The kernel brush has no collar and is medium in length.

Norm is resistant to currently prevalent races of stem rust resistant to both powdery mildew caused by *Ustilago tritici* (Roberge ex Desmaz). It is moderately resistant in Georgia and resistance to current races of leaf rust caused by *Phaeosphaeria nodorum* (E. Müller)

Breeder seed of GA-Andy will be maintained by the Georgia Agricultural Experiment Station, University Station, Griffin, GA 30223-1797.

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References and Notes


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Registration of ‘Norm’ Wheat

‘Norm’ (Reg. no. CV-784, PI562700) is a hard red spring wheat (*Triticum aestivum* L.) cooperatively developed and released by the Minnesota Agricultural Experiment Station and USDA-ARS in February 1992. It was released because of its high yield in both northern and southern Minnesota, desirable agronomic traits, disease resistance and acceptable bread-making quality. Norm originated from a cross of M73167/MN81070. MN73167 is an elite Minnesota breeding line, closely related to ‘Wheaton’, (Busch et al., 1984) with the pedigree ‘Fletcher’/‘Bajo 66’/‘Era’/3/‘Crim’/2*Era. MN81070 also was an elite Minnesota breeding line with the pedigree Era/Kitt/3/Fletcher/‘Ciano 67’/‘CI13569/4/II-60-465/‘Waldron’/Era/6/Fletcher/Bajo 66/‘Era’/3/‘Crim’/2*Era. Individual plants were selected for disease resistance and agronomic type in the F₂. Progeny of the selected plants were advanced by single seed descent in the F₂, F₃, F₄, and F₅ generations. Norm has short, narrow, white glumes with a square shoulder and an acuminate beak. The spikes are middense, oblong, and erect. The glumes are glabrous, midwide, and short with oblique beaks. Kernels are red, midlong, and elliptical; the kernel crease is midwide and short; the kernel cheek is midsized and short; the kernel beaks are midsized and tapering. The kernel is red in color, midsize with rounded cheeks and a narrow and mid-deep kernel crease. The kernel brush has no collar and is medium in length. The kernel is red, midlong, and elliptical; the kernel brush is midsized and short; the kernel cheek are rounded and the kernel beaks are midsized and tapering. The grain is red, midsize with rounded cheeks and a narrow and mid-deep kernel crease. The kernel brush has no collar and is medium in length.

Norm was named after Norman County, a major wheat producing county in northwestern Minnesota. Breeders seed of Norm were grown at Weslaco, TX, in a 1988 winter increase, and 43 greenhouse through the F₂, F₃, and F₄ generations at Griffin, GA. GA-Andy was evaluated for agronomic performance as Ga 791197-3 in nursery plots in 1985 and 1986, state trials at six locations in 1987, 1988, and 1989, and in the Uniform Southern Soft Red Winter Wheat Nursery at 30 locations in 1989 and 1990.

GA-Andy is an early maturing, medium height, white-chaffed, stiff strawed, and apically awnletted cultivar with high yield potential. During 3 yr (3 locations yr⁻¹) in the Coastal Plain region of Georgia, GA-Andy’s yield (3040 kg ha⁻¹), was superior to ‘Florida 303’, and ‘Coker 9323,’ (2970, and 2640 kg ha⁻¹), respectively (1). It is 3 d earlier in maturity and similar in test weight (745 kg m⁻³), height (84 cm), and lodging resistance (25%) to Florida 303. Milling and baking quality characteristics of GA-Andy are rated acceptable for soft red winter wheat use by USDA-Soft Wheat Quality Laboratory, Wooster, OH.

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