Registration of 'Carver' Soybean

'Carver' soybean [Glycine max (L.) Merr.] (Reg. no. CV-335, PI 584506) was developed by the Alabama Agricultural Experiment Station. It was released in 1994 because of its high yield potential and multiple pest resistance. Prior to release Carver was designated Au87-547.

Carver originated as an F₂ single-plant selection from the cross J80-293 × N81-1756. J80-293 is a selection from the cross J77-39 [same parentage as 'Bedford' (3)] × 'Centennial' (2). N81-1756 is a selection from the cross 'Ransom' × M77-2703 (1). N77-2703 is a selection from YC₁, a population developed by three cycles of recurrent selection for yield at North Carolina State University (6). The population was advanced by single-seed descent to the F₃ generation in Belize and Alabama. Carver was tested in the Uniform Soybean Tests, Southern States, from 1990 through 1993 (5) and in Alabama tests from 1989 through 1993.

Carver is Maturity Group VII, averaging 2 d earlier than 'Stonewall' (7), and is adapted from approximately 30° to 35° N lat. Carver has determinate stem termination, white flowers, light tawny pubescence, and tan pod walls. Seeds are yellow, with black hila and dull seed coat luster. Seed quality score for Carver is 1.5, compared with 1.8 for Stonewall. In a nematode-infested farmer's field in Baldwin County, Alabama, Carver yielded 7% more than Stonewall. In a nematode-infested field in South Dakota compared with other public cultivars of similar maturity. Carver originated as an F₂ single-plant selection from the cross J77-39 × N81-1756.