

WASHINGTON STATE CROP IMPROVEMENT
ASSOCIATION

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APPLICATION FOR REVIEW OF WHEAT
VARIETIES FOR CERTIFICATION

Applicant: American Cyanamid Company

Date: September 15, 1998

Address: PO Box 400, Princeton, NJ 08543-0400

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Variety Name: IMI™Wheat CV9804 (Conventional Cultivar)

Hybrid Parent Line Name: N/A

Experimental Designation(s): N/A (IMI-F54)

Kind and Type: Soft Red Winter

DESCRIPTION: IMI™ Wheat CV9804 is a soft red winter wheat originating as a selection from a 1992 seed mutagenesis of the variety Fidel. The selection of IMI™ Wheat CV9804 was based on resistance to certain imidazolinone herbicides. The areas of probable adaptation for CV9804 are the states of Washington, Oregon, Idaho and Montana.

IMI™ Wheat CV9804 is a variety of standard height with a maturity 10-14 days earlier than Stephens. The foliage of IMI™ Wheat:CV9804 is dark green at the boot stage, and the flag leaf is flat and straplike. The stems are light tan, of medium strength and hollow. The spike is open, awned, and acute. The leaves are not auriculate. The awns are 2-1/2 to slightly over 3 inches long. The beaks are acute and medium in length. The leaves and stems of IMI™ Wheat CV9804 do not have a waxy bloom. The glumes are short and square. The chaff color is amber.

The seed has a mean diameter ranging from 2.5-3.3 mm and a mean weight ranging from 40-55 milligrams. It is ovate-oblong in shape and is proximally acuminate. It has a mean hardness index ranging from 33-39.

IMI™ Wheat:CV9804 is resistant to certain imidazolinone herbicides.

IMI-Wheat:CV9804 is susceptible to several leaf rust strains and is very susceptible to Septoria. It is moderately susceptible to powdery mildew.

American Cyanamid Company and those organizations with whom American Cyanamid Company has signed a Material Transfer Agreement will maintain breeder seed, and the certified classes of seed shall be: Foundation, Registered, and Certified. Imidazolinone herbicide applications will be used for all seed increases as quality assurance program. Application will be made for protection under the Plant Variety Protection Act and the "Certification Option" will be selected.