

JUL 26 1990 RECEIVED

COLLEGE OF AGRICULTURAL RESEARCH CENTER
WASHINGTON STATE UNIVERSITY
PULLMAN, WASHINGTON

AND

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
WASHINGTON, D. C.

AND

IDAHO AGRICULTURAL EXPERIMENT STATION
UNIVERSITY OF IDAHO
MOSCOW, IDAHO

AND

OREGON AGRICULTURAL EXPERIMENT STATION
OREGON STATE UNIVERSITY
CORVALLIS, OREGON

NOTICE OF RELEASE OF 'ELTAN' (PI536994) A SOFT WHITE WINTER
WHEAT FOR PRODUCTION IN THE PACIFIC NORTHWEST.

The College Agricultural Research Center, Washington State University, and the Agricultural Research Service, United States Department of Agriculture the Idaho Agricultural Experiment Station, University of Idaho, and the Oregon Agricultural Experiment Station, Oregon State University, announce the release of a soft white winter wheat named 'Eltan' (PI536994). This cultivar was developed in the cooperative Federal-State research program at Pullman, Washington and named in honor of ELmo Tannenberg, a wheat producer from Douglas county. Mr. Tannenberg has been an excellent supporter of the wheat research program and has work to improve wheat production in Washington.

Eltan (PI536994, WA007431, VH075298) was selected in the f4 from the cross Luke//BR-70443-4, PI167822/CI013438 by C.J. Peterson Jr. It is a white chaffed awned semidwarf soft white winter wheat with good winter hardiness.

Eltan is resistant to snow mold, common bunt and dwarf smut. It is moderately susceptible to the local races of stripe rust. Eltan is susceptible to leaf rust and stem rust.

When the grain production was averaged over 47 site years Eltan produced 1.3, 2.3, 4.4, and 11.4 percent more grain than Lewjain, Madsen, Daws and Stephens, respectively. Eltan produced 10.7, 17.6, 20.5, and 28.7 percent more grain than Lewjain, Sprague, John and Andrews, respectively at Coulee city during 1983/89.

Eltan is approximately 1 inch taller than Daws. Straw strength of Eltan is similar to that of Lewjain and better than that of Sprague. It is similar to Lewjain in maturity. The grain of Eltan has the same bushel weight as that of Daws and is better than that of Stephens.

Tests conducted by the USDA-ARS Western Wheat Quality Laboratory have found that Eltan has satisfactory milling and baking quality. Eltan equals or exceeds Nugaines, Daws, and Stephens in milling score, and baking quality.

Publicity for Eltan will be handled through the release notice and informal notification in the Wheat Newsletter. Eltan will be submitted for registration by the Crop Science Society of America. Breeder and Foundation seed will be maintained by the Washington State Crop Improvement Association under the supervision of the Agronomy and Soils Department, College of Agriculture Research Center, Washington State University, Pullman, Washington 99164.

The proposed release date is July 1, 1990. Each agency involved in the agreement may make news releases as it considers appropriate after the release date.

D. Odenstedt
for Director
College of Agricultural Research Center
Washington State University
Pullman, Washington

7-13-90

Date

M. E. Carter
for Administrator
Agricultural Research Service
U.S. Department of Agriculture

7-1-1990

Date

Wayne Lee
Director
Idaho Agricultural Experiment Station
University of Idaho
Moscow, Idaho

6-13-90

Date

June J. Kang
for Director
Oregon Agricultural Experiment Station
Oregon State University
Corvallis, Oregon

6-15-90

Date



Washington State University

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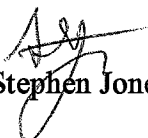
FAX 509-335-8674

MEMORANDUM

Date: June 26, 1996

To: Chuck Goemmer
Washington State Crop Improvement Association

Subject: Height variants in Eltan wheat

From:  Stephen Jones, Winter Wheat Breeder

This is to alert you to the natural occurrence of height variants in Eltan wheat. In some crop years, especially those with cool wet springs (like this year) we see naturally occurring height variants in our pure breeder seed of Eltan wheat. These variants can be up to three or more inches taller and occur at a very low frequency. Because of the environmental effect on the expression of the height differences we have not attempted to estimate the actual frequency of these types.

These variants should be considered as typical or "true to type" of the variety Eltan.