

AGENCY FOR INTERNATIONAL DEVELOPMENT WASHINGTON, D. C. 20523 BIBLIOGRAPHIC INPUT SHEET	FOR AID USE ONLY.
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1. SUBJECT CLASSIFICATION	A. PRIMARY Agriculture	AF30-0180-0000
	B. SECONDARY Plant breeding--Cereals--Wheat	

2. TITLE AND SUBTITLE
Registration of Belinda winter wheat germplasm

3. AUTHOR(S)
Schmidt, J.W.; Johnson, V.A.; Mattern, P.J.

4. DOCUMENT DATE 1973	5. NUMBER OF PAGES 1p.	6. ARC NUMBER ARC
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7. REFERENCE ORGANIZATION NAME AND ADDRESS
Neb.

8. SUPPLEMENTARY NOTES (*Sponsoring Organization, Publishers, Availability*)
(In Crop science, v.13, p.779)

9. ABSTRACT

10. CONTROL NUMBER PN-RAA-653	11. PRICE OF DOCUMENT
12. DESCRIPTORS Germplasm Varieties Wheat	13. PROJECT NUMBER
	14. CONTRACT NUMBER CSD-1208 Res.
	15. TYPE OF DOCUMENT

REGISTRATION OF CENTURK WHEAT¹

(Reg. No. 532)

J. W. Schmidt, V. A. Johnson, P. J. Mattern, and A. F. Dreier²

'CENTURK' wheat (*Triticum aestivum* L. em Thell.) C.I. 15075 is a hard red winter wheat selected in the F₄ generation from the cross 'Kenya 58'/2/'Newthatch'/3/'Hope'/2*'Turkey'/4/'Cheyenne'/5/'Parker,' made in 1959 at the Nebraska Agricultural Experiment Station. It was developed cooperatively by the Nebraska Agricultural Experiment Station and the Agricultural Research Service, USDA, and tested in the Southern and Northern Regional Performance Nurseries as Nebraska Selection 66425.

Centurk is a moderately early winter wheat. It has medium-short, medium-strong straw. The spike of Centurk is white, awned, oblong to fusiform, erect, and middense. Glumes are white, glabrous, midlong, and midwide, with shoulders midwide, rounded to square, and with midlong beaks. Awn length is 3 to 8 cm. The kernels of Centurk are red, hard, midlong, elliptical to ovate; germ mid-sized to large; crease straight and shallow; and cheeks rounded.

Centurk is widely adapted and high yielding over a range of environments. It is similar to Scout 66 in winterhardiness. It has shown good leaf- and stem-rust field resistance during its development and testing period. It is known to be susceptible to some races of leaf and stem rust, based on seedling tests. Centurk is susceptible to Hessian fly. Its reactions to bunt, loose smut, and wheat streak mosaic have not been fully determined. Centurk has excellent milling and baking character-

istics. Its dough-mixing time is moderately long, with good mixing tolerance. It has good loaf volume.

Centurk was named and released in 1971 by the Agricultural Experiment Stations of Nebraska, Colorado, Illinois, Kansas, New Mexico, Oklahoma, South Dakota, and Texas, and the Plant Science Research Division of the Agricultural Research Service, USDA. Seed classes of Centurk designated by the Nebraska Agricultural Experiment Station are breeder, foundation, registered, and certified. U.S. Plant Variety Protection registration of these classes has been applied for. Breeder seed will be maintained by the Nebraska Agricultural Experiment Station.

REGISTRATION OF BELINDA WINTER WHEAT GERMPLASM¹

(Reg. No. GP 33)

J. W. Schmidt, V. A. Johnson, and P. J. Mattern²

'BELINDA' winter wheat, C.I. 15231 *Triticum aestivum* L. em Thell., was developed cooperatively by the Nebraska Agricultural Experiment Station and the Agricultural Research Service, USDA. Belinda was selected from the cross 'Ottawa'/2*'Cheyenne' made in Lincoln, Nebraska, in 1956, and tested as Nebraska Selection 62984. The Republic of South Africa named and released Belinda for commercial production in 1971.

Belinda is a midseason, midtall variety with good winterhardiness. It is awned and has bronze glumes. Like Ottawa, Belinda is resistant to Hessian fly. It is susceptible to soilborne mosaic virus and leaf rust, but resists a number of stem-rust races. It produces hard red grain with strong gluten bread-baking quality.

Belinda germplasm is available on request from the Department of Agronomy, University of Nebraska-Lincoln.

¹ Registered by the Crop Science Society of America. Cooperative investigations of the Nebraska Agricultural Experiment Station and the Agricultural Research Service, USDA, and supported in part by a grant from the Division of Wheat Development, Utilization, and Marketing, Nebraska Department of Agriculture. Approved for publication by the Director of the Nebraska Agricultural Experiment Station as Journal Series Article No. 3576. Received Sept. 4, 1973.

² Professor, Department of Agronomy, University of Nebraska-Lincoln; Research Agronomist, ARS, USDA; and Professors, Department of Agronomy, University of Nebraska-Lincoln, Lincoln, Nebraska 68503.

¹ Registered by the Crop Science Society of America. Cooperative investigations of the Nebraska Agricultural Experiment Station and the Agricultural Research Service, USDA. Approved for publication by the Director of the Nebraska Agricultural Experiment Station as Journal Series Article No. 3575. Received August 31, 1973.

² Professor, Department of Agronomy, University of Nebraska-Lincoln; Research Agronomist, ARS, USDA; and Professor, Department of Agronomy, University of Nebraska-Lincoln, Lincoln, Nebraska 68503.