Abstract

OAC Ruby Gold is a new potato cultivar with red skin and yellow flesh. Tubers are oblong in shape. When evaluated over three years at three sites in Ontario, it had higher specific gravity and culinary quality than Chieftain. OAC Ruby Gold has the same maturity and slightly lower yield than Chieftain. It is recommended for fresh market use in Ontario.

Compendio

OAC Ruby Gold es un nuevo cultivar de papa con cáscara roja y pulpa amarilla. Los tubérculos tienen forma oblonga. Durante tres años de evaluación en tres lugares de Ontario, este cultivar mostró una mayor gravedad específica y una mejor calidad culinaria que el cultivar Chieftain. OAC Ruby Gold tiene una madurez igual y un rendimiento ligeramente menor que Chieftain. Es recomendable para el uso fresco en el mercado de Ontario.

Introduction

OAC Ruby Gold was developed at the University of Guelph in the cooperative breeding program supported by Agriculture and Agri-Food Canada (AAFC), Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) and Department of Horticultural Science, University of Guelph. It was given interim registration in Canada, September 13, 1994 with registration No. I-153.

OAC Ruby Gold was selected from a cross W729R (Rhinered-female parent) X G7010-19RY (Rose Gold) made in 1981. W729R was later released as Rhinered by the University of Wisconsin (3). Rhinered is a...
round, red-skinned, scab resistant cultivar with excellent cooking quality having resistance to verticillium wilt. G7010-19RY was released by the University of Guelph in 1987 as Rose Gold (2). Rose Gold has round tubers with pinkish-red skin and bright yellow flesh. It is moderately resistant to common scab and has short tuber dormancy.

The first generation tubers from the initial cross were grown at the AAFC Experimental Farm, Thunder Bay, Ontario. This farm is located in Northern Ontario and serves as a center for increasing virus-free seed stock. Further selections based on tuber and quality characteristics were made both at Thunder Bay and at Cambridge Research Station, which is located in Southern Ontario. OAC Ruby Gold was tested as G8160-11RY in registration trials conducted in Ontario from 1990 - 1992.

The pedigree of OAC Ruby Gold is as follows:

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OAC Ruby Gold /                    WisAG231
   |                      Norchief
  /---------------------/
 Rhinered                   W639
                         /     /     /
                      Superior
                     /     /     /
               Abnaki
                       /     /     /
                     G6324-6R
 productive
                       /     /     /
               ND4524-7R
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**Description**


**TUBERS** - *Shape:* OAC Ruby Gold tubers are oblong. *Skin:* red at harvest becoming less intense after storage, smooth. *Eyes:* intermediate depth, number between 15 and 20 per tuber and are evenly distributed.