

Tri State Potato Research and Breeding Program Today



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PVMI—POTATO VARIETY MANAGEMENT INSTITUTE



# University of Idaho

















### **HISTORY**

In 1949, the U.S. Department of Agriculture (USDA) recognized the national importance of the Pacific Northwest in the production and processing of potatoes and supported the establishment of a potato research breeding program at Aberdeen, Idaho.

While the state of Idaho had initially petitioned for the establishment of the potato breeding program, from its inception the program was meant to serve the potato industry in Idaho, Oregon and Washington. Additional funding obtained in 1983, allowed the establishment of the Northwest Potato Variety Development Program, also known as the Tri-State Potato Research and Breeding Program. The objective of this regional program was to develop new potato varieties for the Pacific Northwest with enhanced attributes relative to varieties currently available to the industry.

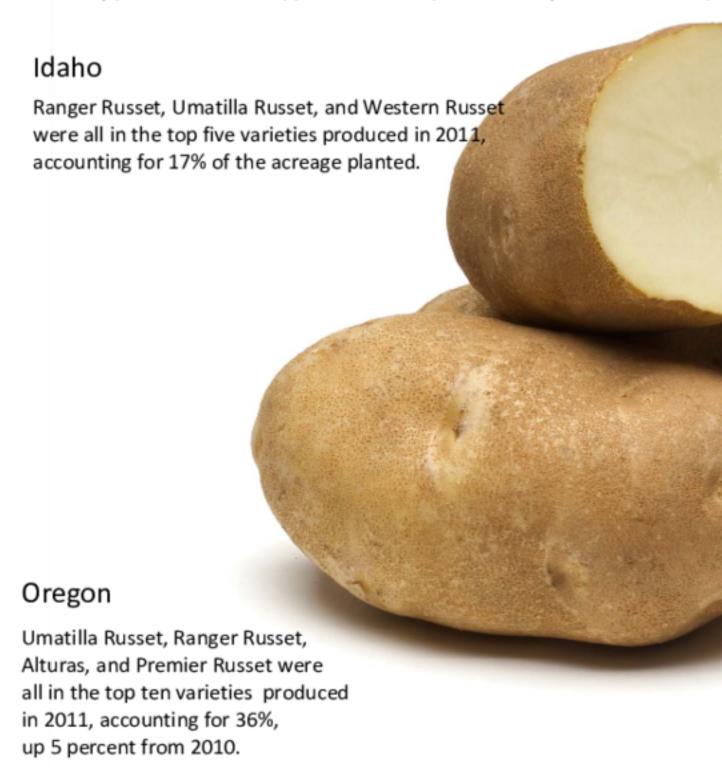
The Tri-State Potato Research and Breeding Program is a cooperative, regional collaboration of the USDA/ARS of Idaho and Washington, Oregon State University, University of Idaho, Washington State University and the potato commissions of the three states. Research scientists work together with Experiment Station personnel in a coordinated program that has resulted in more than forty new potato varieties being released since the program's inception. Funding of the program is also cooperative, including contributions from state universities, USDA-ARS base funds, grower dollars from the state commissions, and federal grant funding through various USDA programs.

In 2011, Tri-State varieties represented over 20%, or 194,000 acres, of the fall crop in the US\*.

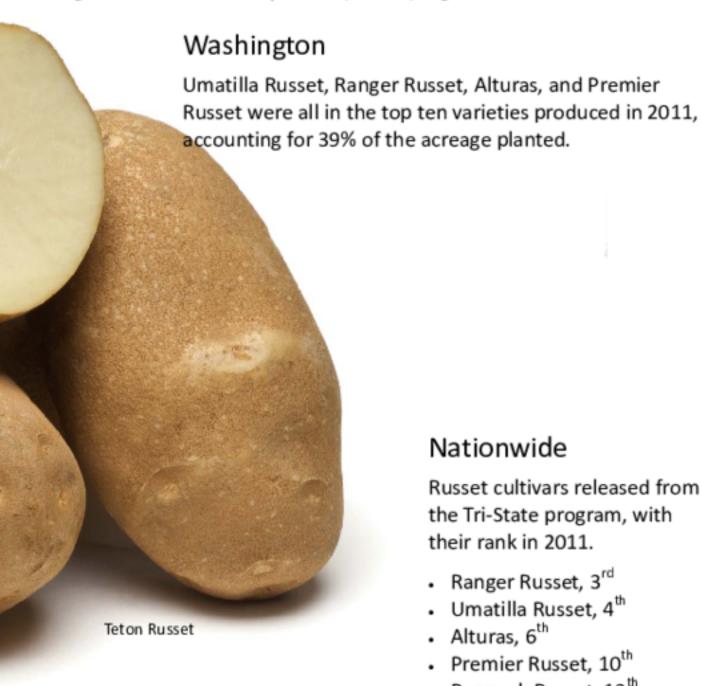
(\*NASS, Crop Production, November, 2011)

## 2011 Impact of the Tri-State Variety Program

The effect of the Tri-State Potato Variety Development Program on the Northy french fry processors and chippers have incorporated many varieties developed



west potato industry has been substantial. The fresh market industry, ed through the Tri-State variety development program into their businesses.



### Nationwide

Russet cultivars released from the Tri-State program, with their rank in 2011.

- Ranger Russet, 3<sup>rd</sup>
- Umatilla Russet, 4<sup>th</sup>
- Alturas, 6<sup>th</sup>
- Premier Russet, 10<sup>th</sup>
- Bannock Russet, 13<sup>th</sup>
- Western Russet, 20<sup>st</sup>
- Alpine Russet, 23<sup>th</sup>

Russets - Processing
Ranger Russet 1991
Umatilla Russet 1998
Highland Russet 2006
Alpine Russet 2008
Palisade Russet 2011

Russets - Fresh Pack
Century Russet 1995
Klamath Russet 2000
A84180-8 2008

Russets - Dual Purpose Frontier Russet 1990 Russet Legend 1998 Bannock Russet 1999 Gem Russet 2000 Wallowa Russet 2002 Summit Russet 2003 Western Russet 2004 GemStar Russet 2004 Blazer Russet 2005 Premier Russet 2006 Gallatin Russet 2007 Classic Russet 2008 Clearwater Russet 2008 Owyhee Russet 2009 Teton Russet 2011

Long White-Dehy/Process

Alturas 2002

Defender 2004

Chippers

GemChip 1989

Ivory Crisp 2002

Willamette 2003

Yukon Gem 2006

Specialty

A THE PLANE

Purple Pelisse 2009

AmaRosa 2009

Huckleberry Gold 2011



Yukon Gem 2006

Yukon Nugget 2012

Red Skin—Fresh Pack

IdaRose 2000

Mazama 2000

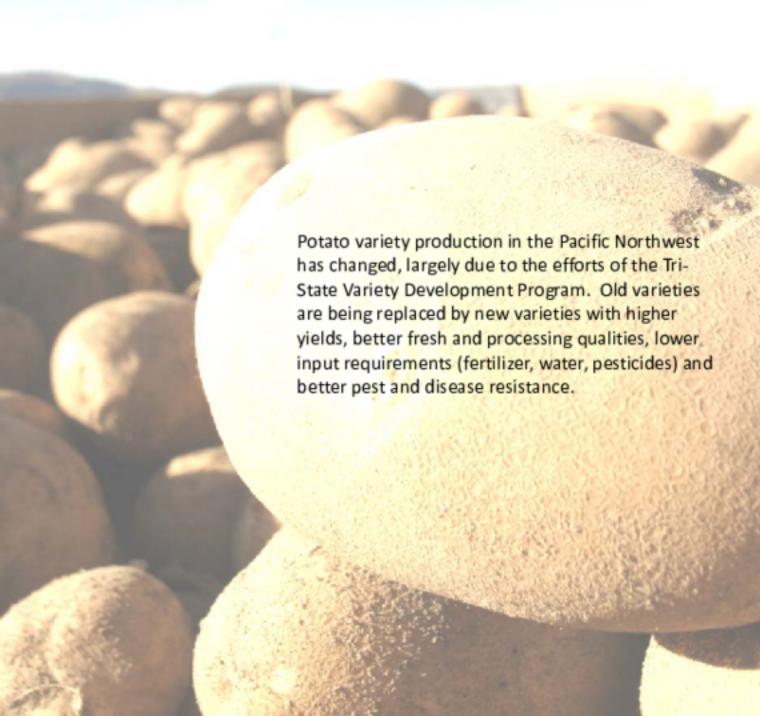
Winema 2000

Modoc 2003

Crimson Red 2009

Red Sunset 2009

Varieties released by the Tri-State program are now produced on over 130,000 acres in the Pacific Northwest with an estimated value to growers of approximately \$470 million.



# Tri State Potato Research and Breeding Program Tomorrow



In 2005, the potato commissions in WA, OR, and ID launched the Potato Variety Management Institute (PVMI) to market and promote Tri-State potato varieties. It is a non-profit, grower-controlled organization to provide the infrastructure so that license and royalty fees for the new varieties could be put back into the research and breeding program.

PVM1 is helping to maximize the potential success of new varieties by providing information regarding variety features and management to growers and industry.

Since its inception PVMI has returned \$500,000 to the program. This is expected to increase with the adoption of new varieties.

For more information you can call (541) 318 1485, email jeannedebons@msn.com or go to www.pvmi.org.

