

SeedBytes

A quarterly newsletter produced for the New Brunswick Seed Potato Industry

New Brunswick Seed Potato Acreage—2003—2009

Jacques Lavoie— Potato Development Specialist—Seed Potatoes

New Brunswick Seed Potato entered Summary by variety (ha) 2003-2009							
Variety	2003	2004	2005	2006	2007	2008	2009
AC Belmont	18.77	3.29	7.70	7.261	19.370	2.110	5.341
AC Blue Pride	0.03	0.03	0.02	0.020	0.001	0.010	0.000
AC Chaleur	2.41	4.26	3.60	2.582	5.370	3.400	2.880
AC Glacier Chip	2.00	3.70	2.40	0.000	0.000	0.000	0.000
AC Novachip	14.10	9.07	7.90	7.684	1.600	7.230	0.000
AC Red Island	0.10	0.00	0.00	0.000	0.000	0.010	0.100
AC Stampede	7.20	12.60	0.00	0.000	0.000	0.000	0.000
AC Sunbury	0.00	0.31	1.09	2.042	0.340	0.000	0.000
Adora	4.50	29.21	55.10	42.910	4.800	8.450	8.100
All Blue	0.20	0.00	0.00	0.382	0.530	9.088	5.360
All Red	0.00	0.00	0.00	0.000	0.020	1.700	0.580
Alta Crown	0.00	0.00	0.00	0.000	0.000	0.000	0.000
Andover	87.76	81.04	84.19	101.240	65.840	58.920	40.250
Atlantic	1,031.45	617.74	453.49	501.090	402.235	447.500	449.650
Banana	0.03	0.04	0.04	0.312	0.111	0.050	0.010
Belleisle	0.01	0.00	0.01	0.011	0.010	0.010	0.010
Bintje	0.03	0.04	0.00	0.020	0.820	3.500	0.001
Caesar	0.05	0.01	0.00	0.000	0.000	0.000	0.000
CalWhite	45.71	150.75	292.37	373.298	391.906	402.600	434.772
Carlingford	-	-	-	-	0.000	0.000	0.000
Caribe	2.24	2.45	2.26	2.382	2.750	1.600	0.820
Cascade	0.00	0.00	0.00	0.000	0.000	0.000	0.000
Cherokee	8.00	8.91	9.30	2.202	0.000	0.000	0.000
Carola	0.00	0.00	0.00	0.000	0.000	0.000	0.010
Cherry Red	0.08	0.05	0.00	0.000	0.000	0.000	0.000
Chieftain	916.51	843.13	653.25	310.064	314.515	277.800	354.091
Dakota Pearl	0.00	0.00	0.00	0.000	4.800	38.300	25.110
Dakota Red	0.00	8.40	24.68	0.000	0.000	0.000	0.000
Desiree	2.11	0.00	0.20	0.600	0.200	0.510	0.000
Dundrod	16.91	14.58	24.68	21.120	15.180	12.140	15.441
Envol	-	-	-	-	0.000	0.000	0.000
Eramosa	18.41	24.61	22.19	15.421	11.260	14.600	10.300
Estima	-	-	-	-	0.000	0.000	0.000
Fabula	7.64	12.21	59.16	26.120	20.000	24.800	31.600
Frontier Russet	48.43	42.29	28.13	6.502	16.890	23.500	12.600
Fundy	1.75	1.25	0.75	0.581	0.630	0.670	0.302
Gemstar Russet	-	-	-	-	-	0.000	55.280
Glacier Fryer	0.00	0.00	0.00	0.000	0.000	1.500	2.000
Goldrush	293.24	310.00	237.79	250.458	251.110	271.400	286.081
Green Mountain	1.80	1.81	1.55	2.002	2.500	0.580	1.010
HiLite Russet	-	-	-	-	0.000	11.430	0.020
Innovator	34.30	57.51	48.70	89.220	93.100	203.300	92.600
Irish Cobbler	4.79	3.89	1.56	2.551	2.070	2.540	1.860
Jemseg	0.77	0.37	0.49	1.252	2.631	1.500	1.320
Kathadin	7.67	4.02	2.88	0.360	0.770	0.640	0.410
Kennebec	258.98	207.93	218.65	234.828	202.467	177.100	176.988
Keswick	1.38	1.45	0.90	0.901	1.410	0.086	0.460
Krantz	7.68	4.51	5.27	8.460	6.000	5.700	1.900
MacIntosh Black	0.44	0.00	0.26	1.000	0.000	0.000	0.000

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Inside this issue

2010 PNB Conference.....2
PVY Project.....3
Aphid Monitoring Recap.....3
PVY Symposium.....4
AAFC Scientists Honoured.....4

Upcoming Events:

Potatoes New Brunswick Annual General Meeting will be held on Friday, November 27th at 9:00 AM at the Perth-Andover Legion.

Potato Expo 2010, a consolidation of the National Potato Council's Seed Seminar, Fresh Potato Industry Outlook Summit and Chip Seminar will be held January 4th—6th, 2010 in Orlando, Fl. For more information visit:

www.potato-expo.com

Electronic versions of all SeedBytes issues can be found online at www.gnb.ca, then click language preference, Departments and Agencies/Agriculture and Aquaculture/ Potatoes/SeedBytes and select the month for the issue.

The newsletter link has been emailed to all recipients. If you do not have the link, contact Andrew Sullivan at andrew.sullivan@gnb.ca or 1-866-778-3762.

New Brunswick Seed Potato Acreage—2003—2009 *continued*

New Brunswick Seed Potato entered Summary by variety (ha) 2003-2009							
Variety	2003	2004	2005	2006	2007	2008	2009
Mondial	0.00	0.01	0.00	0.010	0.000	0.000	0.000
Monona	0.00	0.00	0.00	0.000	1.500	0.000	0.000
Navan	-	-	-	-	0.000	21.120	18.550
Norvalley	-	-	-	-	0.000	0.000	0.000
Nipigon	0.00	0.00	0.00	0.000	0.001	0.000	1.000
Niska	8.40	7.15	0.00	4.751	5.330	5.700	5.700
Norchip	0.00	0.00	0.00	0.000	0.000	0.000	0.000
Norland	174.77	152.81	107.35	178.145	151.420	76.900	68.756
Navan	-	-	-	-	0.000	21.120	18.550
Onaway	14.89	14.48	16.22	13.701	0.000	0.000	0.000
Penta	0.00	0.00	0.00	0.000	22.660	33.750	33.860
AC Peregrine Red	-	-	-	-	0.000	0.000	7.160
Peribonka	-	-	-	-	0.000	0.000	0.000
Pink Fir Apple	0.00	0.00	0.00	0.000	0.010	0.010	0.010
Prospect	0.00	0.00	0.00	0.000	81.650	50.110	24.260
Provento	0.00	0.00	0.00	0.000	2.750	0.610	0.000
Purple Chief	0.00	0.00	0.03	0.410	0.100	0.010	0.000
Ranger Russet	34.27	16.14	18.64	13.512	21.060	71.540	184.750
Red Gold	0.10	0.01	0.01	0.011	0.000	0.000	0.000
Red LaSoda	38.45	98.48	85.08	69.341	147.076	147.700	116.915
Red Pontiac	91.34	76.24	153.68	66.862	48.120	62.580	56.410
Redsen	2.58	2.42	0.00	0.000	0.000	0.000	0.000
River John Blue	0.31	0.00	0.30	0.080	0.150	0.180	0.844
Rochedale-Gold							
Doree	0.00	0.00	0.00	0.000	12.820	12.600	14.510
Rose Gold	0.00	0.00	0.09	0.021	0.010	0.010	0.020
Russet Burbank	963.87	934.02	920.52	943.281	843.685	939.300	818.005
Russet Norkotah	323.42	354.42	348.16	442.325	466.861	629.700	576.680
Russian Blue	0.00	0.00	0.00	0.000	0.100	0.000	0.000
Sangre	0.00	6.52	2.80	14.450	2.420	7.750	0.000
Saxon	-	-	-	-	24.700	0.000	0.000
Sebago	17.80	10.40	4.28	4.142	76.220	43.560	24.010
Shepody	578.91	613.05	553.63	389.323	219.296	227.500	209.080
Snowden	175.82	125.75	106.50	158.496	121.226	61.200	64.840
Sunrise	0.00	0.01	0.02	0.251	1.470	0.050	0.073
Superior	265.12	122.94	96.55	93.734	130.260	44.000	57.235
Tolaas	1.64	1.21	0.01	0.020	0.020	0.010	0.000
Umatilla Russet	12.70	0.04	0.00	0.011	0.046	0.000	0.000
Victoria	0.00	0.31	0.30	4.460	0.000	0.000	0.000
Viking	-	-	-	-	0.000	0.000	0.000
Vivaldi	-	-	-	-	20.640	36.240	41.870
Warba	0.04	0.03	0.02	0.020	0.021	0.020	0.000
Yukon Gem	0.00	0.00	0.00	0.000	0.000	0.000	1.000
Yukon Gold	308.96	247.13	219.48	184.599	209.890	217.800	149.032

New Format for 2010 Annual New Brunswick Potato Grower Meeting

This year's annual potato meeting will be held on Thursday, February 11, 2010 at the Perth-Andover Legion. In place of a two-day conference and tradeshow, a one-day event focusing on research and presentations from local speakers will be highlighted.

The luncheon speaker this year will be Jolene Brown from West Branch Iowa. Jolene has entertained agricultural audiences across North America over the past decade with topics ranging from "The Top Ten Stupid Things Families do to Break up Businesses" to "Generations at Work...or at War". For more information on Jolene, visit her website: <http://www.jolenebrown.com>

The conference format will return to a two-day event in 2011. For more information contact Potatoes NB at 473-3036.

Pilot Project planned to determine baseline distribution of PVY

Potatoes NB, in collaboration with the NB Seed Potato Growers Association and the NB Department of Agriculture and Aquaculture, have initiated a pilot project which will test Potato Virus Y (PVY) susceptible varieties grown in the province. This testing will help determine the level and distribution of PVY in NB seed potatoes.

PVY remains one of the most important viruses affecting potato production worldwide. New Brunswick seed potato inspection records suggest that the spread of PVY is cyclical in nature, with peaks at intervals

of 9 to 10 years. One of the key control measures is the use of virus-free seed potatoes. The utilization of post-harvest testing procedures to determine virus levels is increasing, with many importing countries requiring test results prior to issuing an import permit.

Sample collection for this project will be standardized to ensure a representative sample is obtained from each seed lot. A third party project person will gather and seal samples collected by the producer and forward them to the Agricultural

Certification Services Lab where the disease testing will be carried out. All results will remain confidential. Each producer will receive a copy of their test results only.

If you have any questions relating to this project, feel free to contact Robert Gareau (473-3036) or Mathuresh Singh (459-0293).



New Brunswick Aphid Summary—2005—2009

Dave Wattie—Potato Development Specialist—Integrated Pest Management

<i>Aphid Alert Summary</i>	<i>2005</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>
Total # of Traps	49	75	64	72	72
# of Growers Participating	24	46	45	45	45
	<i>Aphids Trapped Per Week</i>				
Average Aphid Catch (all species)	1.20	2.67	3.43	1.16	2.57
Median Aphid Catch (all species)	0.29	1.25	1.62	0.39	1.72
Average Green Peach	0.08	1.12	0.00	0.00	0.02
Median Green Peach	0.05	0.30	0.00	0.00	0.00
Average Potato	0.69	5.11	7.37	3.03	5.13
Median Potato	0.41	1.78	2.46	2.54	2.10
Average Buckthorn	3.41	3.55	2.91	0.28	3.10
Median Buckthorn	0.94	4.45	2.18	0.17	2.20
Average Other	0.63	0.92	3.43	1.19	2.02
Median Other	0.44	0.97	3.24	1.25	2.03

For further information, contact Dave Wattie at the PDC at 1-866-778-3762 or by e-mail at david.wattie@gnb.ca.

PAA International PVY Symposium

One of the highlights of the Potato Association of America (PAA) Annual meeting this year was the International Potato Virus Y (PVY) Symposium. Seven scientists representing research programs in Canada, the United States, China and Poland presented on different aspects of this virus, which is the number one concern in seed potato production worldwide.

The following presentations were given at the Symposium:

PVY: An old enemy and a continuing challenge	James M. Crosslin , USDA-ARS, Prosser, Washington
Historical aspects of the Potato virus Y nomenclature	Rudra P. Singh , Agriculture and Agri-Food Canada, Fredericton
Recent research progresses on Potato virus Y in Canada	Xianzhou Nie , Potato Research Centre, Agriculture and Agri-Food Canada, Fredericton
The seed potato inspection and virus research in China	Yanju Bai , Ministry of Agriculture, Harbin, P. R. China
Sequencing the N. American collection of PVY isolates: applications to identification of disease determinants and strain differentiation	Alexander V. Karasev , University of Idaho, Moscow, Idaho
Sources and effectiveness of PVY resistance in IHAR's breeding research	Ewa Zimnoch-Guzowska , Plant Breeding and Acclimatization Institute (IHAR), Platanowa, Poland
Controlling PVY in seed: what works and what doesn't	Rob D. Davidson , San Luis Valley Research Center, Colorado State University, Center, Colorado

For more information on these presentations, please review the abstracts at the following link (English only):

http://www.paa2009.org/dwn/Abstracts_2009_for_website.pdf

(PVY Symposium abstracts begin on page 29)

Local Scientists Recognized at PAA Awards Banquet

The Potato Association of America (PAA) annually awards potato researchers in the areas of research excellence, published paper excellence, Graduate Student presentations and lifetime achievement.

At this year's annual meeting, held in Fredericton, three researchers from the Agriculture and Agri-Food Canada Potato Research Centre (PRC) were recognized.

Agnes Murphy, Potato Breeder at the Centre, was awarded the Potato Grower Magazine Researcher of the Year Award. Agnes has worked in the potato breeding program for the past 27 years.



Richard Tarn, recently retired potato breeder from the PRC, was presented with an honorary lifetime membership to the PAA.



Rudra Singh, recently retired potato virologist at PRC, was presented with an honorary lifetime membership to the PAA.

