

# 2018 Eastern NY Potato Variety Trials

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I am happy to announce the results of the 2018 fresh market potato variety trials. I know that many of you have already completed your seed orders, but I hope you might consider trying something new in 2019. I wish that I could have had this information to you sooner, but the 2018 harvest season proved difficult for all, including us! I would also like to thank our seed suppliers for their contributions to this trial: Ralph Child, Childstock Farms, Inc., Dr. Greg Porter, University of Maine Potato Breeding Program and Dr. Walter De Jong, Cornell University Potato Breeding Program.

**Trial information:** Two trials with the same 34 fresh market and specialty potato varieties (Table 1) of various flesh and skin colors were planted in the spring of 2018:

**Trial 1:** The organic trial was located at Morningstar Farm in Copake and was planted on May 11, 2018. Emergence and stands were excellent at this location, but late summer/fall rains made finding a harvest window difficult and as a result, this site was not harvested.

**Trial 2:** The conventional system trial was located at Barber Farms in Schoharie County and planted on May 17, 2018. The row spacing used was 40" on center between rows and 9" in-row spacing. Broadcast fertilizer was added to achieve 130 pounds of actual nitrogen, 50 pounds actual phosphorous and 240 pounds of actual potassium per acre. Herbicides, insecticide, fungicides and all other cultural activities (i.e.: hilling) were completed by the cooperator. Stands and emergence were also excellent at this location and plots were harvested on November 26, 2018 and stored until grading on January 4, 2019.

**Data:** Because this trial is large with so much data, the yield and size distribution tables can be found on at the end of this article. You can also call or email Chuck Bornt for a copy of the tables at 518-859-6213 or [cdb13@cornell.edu](mailto:cdb13@cornell.edu). Also posted on the website is a slide show of all the varieties for you to view at [https://rvpadmin.cce.cornell.edu/uploads/doc\\_728.pdf](https://rvpadmin.cce.cornell.edu/uploads/doc_728.pdf)

**Summary and Discussion:** There are so many potato varieties out there and one thing that I have noted over the years is that potato growers become very attached to certain varieties (including this author). However, I would really encourage you to try at least 1 new one and compare it to your standard – you never know what you might find!

I was very pleased with some of the yellow fleshed lines that we evaluated this year. Yellow fleshed lines such as Yukon Gold have become harder to grow over the last few years due to Potato Virus Y. One new variety from the NY breeding program called NY 149 I think has some potential to be a replacement for Yukon – not only does it have a nice yellow flesh, but many of the tubers retain the pink-eye trait that Yukon is also noted for and fewer internal defects. However, it is a bit smaller compared to Yukon. If you are familiar with Red Gold, you might be interested in 6049, as it is a red skinned, yellow fleshed potato that was excellent looking (external and internal) and is one that I would certainly not hesitate to grow. 6049 yields better, has better overall quality and size compared to Red Gold. We also liked Natascha and AF5225-1 for yellow fleshed lines. Lehigh is also a high quality variety with probably some of the best size, early and overall yields but flesh color is very pale in comparison to the ones mentioned above.



We had quite a few blue/purple skinned/fleshed lines this year as well. If you are looking for a blue fingerling, Purple Majesty, US Blue and Fleure Bleue are ones that provided us with decent overall yields and good quality tubers. US Blue and Fleure Bleue had a dark purple skin but a very beautiful “starburst” interior (not solid purple but with flashes of white). One of our favorites this year was AF5414-1, which is a purple/rose skin and a beautiful pink/rose colored flesh. It’s shape, size added to the overall appeal of this variety along with outstanding overall yields (447 cwt, highest in trial).

We evaluated 8 red skinned/white fleshed varieties this season as well and noted a few nice additions. NADF113484B1 had some of the prettiest tubers in this class, but low overall yields. I liked the shape and size of Fenway Red (sorry Yankee fans) but the color was a bit lite, more like a pink. NY 164 also had good size, shape, uniformity, decent color and very good yields compared to our standards (Chieftain and Norland). AF4831-2 I think also has some potential as a commercial red-skinned variety. And I already talked about 6049 which is a red skinned but yellow fleshed variety that we liked a lot (see yellow fleshed lines).

For white skinned/white fleshed it has to be something unique or remarkable. In this group, Joli was a bright, very smooth, white skinned oblong round tuber that really stood out both when digging and grading. Eva, a standard for many growers also did very well this year compared to other years. The best newcomer I think was NY 151, which provided us with the highest yields of nicely shaped round-round, smooth, good sized tubers.



**Table 1: Yield of 34 Fresh Market Potato Varieties Evaluated at Barber's Farm, Middleburgh, NY**

				Yield of Marketable Tubers by Size Distribution (Cwt)			Yield of Marketable Tubers by Size Distribution (50 lb bags)			% of Marketable Yield by Size Distribution			% Yield of Standard Variety by Size Category*		
Variety Name	Skin/Flesh Color	Total Marketable Yield (Cwt) <sup>1</sup>	Total Cull Weight (cwt)	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
White Skins													*Eva used as the standard		
747	white/white	301	135	16	193	92	32	385	184	5	64	31	11	98	1025
AF4648-2	white/white	205	3	23	144	38	46	287	76	11	70	19	16	73	422
AF5682-3	white/white	214	42	88	115	11	176	231	23	41	54	5	61	59	125
Eva	white/white	350	18	145	196	9	290	392	19	41	56	3	100	100	100
Joli	white/white	287	45	56	174	57	112	348	114	20	61	20	39	89	635
NY151	white/white	374	15	122	217	35	244	434	70	33	58	9	84	111	387
Red Skins													*Chieftan used as standard		
AF4831-2	red/white	357	16	58	234	65	116	468	130	16	65	18	41	134	362
Chieftan	red/white	333	61	141	174	18	282	348	36	42	52	5	100	100	100
Dakota Ruby	red/white	329	10	36	226	67	72	453	133	11	69	20	26	130	370
Fenway Red	red/white	324	24	123	173	28	246	346	56	38	53	9	87	100	154
NDAF113484B1	red/white	249	14	91	139	19	183	277	37	37	56	7	65	80	103
Norland	red/white	272	38	92	150	30	183	301	60	34	55	11	65	86	166
NY136	red/white	220	27	97	100	23	194	200	45	44	46	10	69	58	125
NY164	red/white	352	17	105	214	33	211	428	67	30	61	9	75	123	185
Specialty Lines													*No standard grown		
AF5245-1	purple/white	196	6	45	127	25	89	254	49	23	65	13	NA	NA	NA
AF5412-3	dark blue/purple	314	40	134	147	33	269	293	66	43	47	11	NA	NA	NA
AF5414-1	purplyred/rose	447	18	65	303	79	129	606	159	14	68	18	NA	NA	NA
Fleure Bleue	dark blue/purple starburst	391	52	35	135	220	71	270	441	9	35	56	NA	NA	NA
M12-3	dark blue/starburst blue	400	17	71	295	35	142	590	69	18	74	9	NA	NA	NA
Purple Majesty	dark blue/dark purple	228	18	1	47	181	3	93	361	1	20	79	NA	NA	NA
US Blue	blue/starburst blue	234	30	31	89	114	62	178	227	13	38	49	NA	NA	NA

Planting Date: May 17, 2018

Vine Kill: No chemical desiccants used

Harvest Date: 11/24/18

Grading Date: 1/4/19, 1/9/19

Trial specifics: Row Spacing = 40 inches   In-row spacing = 9 inches   Plot length = 50 feet   Number Hills per variety = 65

<sup>1</sup> - Total Marketable Yield equals sum of marketable Chef's, A's and B's.

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Yellow Fleshed													*Yukon Gold used as Standard		
6049	red/yellow	387	63	23	270	94	46	541	188	6	70	24	22	276	1042
AF5682-5	white/yellow	159	221	41	97	21	81	194	42	26	61	13	38	99	233
AF5225-1	white/yellow	353	14	104	224	25	208	449	49	29	64	7	98	229	274
Belmonda	white/yellow	385	34	23	263	99	47	525	198	6	68	26	22	268	1097
Butterfly	white/yellow	274	42	0	47	227	0	95	453	0	17	83	0	48	2518
Lehigh	white/yellow	356	9	172	174	9	344	349	18	48	49	3	162	178	102
Natascha	white/yellow	223	13	4	119	100	8	238	199	2	53	45	4	122	1106
NY149	white, pink eye/yellow	363	12	57	268	39	114	535	78	16	74	11	54	273	431
NY161	white with purple splash eyes/yellow	394	60	122	226	46	244	453	92	31	57	12	115	231	509
Soraya	white/yellow	216	102	61	131	23	123	263	46	28	61	11	58	134	256
Yukon Gold	white, pink eye/yellow	212	24	106	98	9	211	196	18	50	46	4	100	100	99
Russet Lines													*No		
AF3362-1	russet/white	161	108	83	65	14	165	130	27	51	40	8	NA	NA	NA
AF5312-1	russet/white	234	53	63	148	23	126	297	46	27	63	10	NA	NA	NA

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Table 2: Observations and Comments on 34 Fresh Market Potato Varieties Evaluated at Barber's Farm, Middleburgh, NY

Variety Name	Skin/Flesh Color	Comments
White Skins		
747	white/white	A lot of large sprouts. Flat, round, slightly oblong shape. Fair amount of misshapes, some knobs, some beaks. A fair amount of cracks. Some dumb bellings. All over the place. Skin has a little bit of russeting. Odd shapes. Terrible. A lot of culls, knobs, misshapes and not pretty as well. Variable skin, some smooth and bright, some textured and muted. Attractive after grading. Few eyes, shallow.
AF4648-2	white/white	Round white variety. A little texture to the skin. Medium eyes. It's an okay variety. Regular round white potato. A few raised lenticels. Not a lot of culls. Size is larger A's and a few B's not a lot of chefs. Very uniform. Love the round shape. Heavily muted skin, some texture. Deep apical end eyes. Some silver scurf.
AF5682-3	white/white	Very nice white skin, bright white. Fairly blemish free and smooth. Medium eye. Firm tuber. Bright white flesh. Oblong shape. Good potential. A little scab present. Large tubers. Like it.
Eva	white/white	Love the shape, round round to slightly flattened round. It looks really good this year. A tiny bit of scab here and there but not as much as in the past. A nice white skin, fairly bright. Looks good. Just a touch of texture to the skin but not much. A few cracks but overall good quality. Few shallow eyes.
Joli	white/white	Oblong, round shape. Very shallow, few eyes. Bright white skin, very very smooth. Attractive looking. Nice white flesh. Some potential.
NY151	white/white	Love the shape, round round. Shallow to medium deep eyes. Skin is pretty smooth, not a lot of texture. A few blemishes but not bad. Like it. Bright white flesh. Nice inside, no hollow heart. Lots of chef's, large white potato. Fairly uniform.
Red Skins		
AF4831-2	red/white	Red skin. Medium to dark red skin. Size is okay. Shape, most more oblong, round. Some decent chefs. A few sprouts. Few, shallow eyes. A little bit of silver scurf. Normally smooth and bright. Nice bright white flesh.
Chieftan	red/white	Some scab. Light red, almost pink skin. Eyes are fairly deep. Shape is oblong, slightly flattened. Flesh is nice bright white. Standard. Good size. Skin color slightly muted, a little silver scurf.
Dakota Ruby	red/white	Purple-y red skin. Fairly uniform. Fairly deep eye, especially apical. Not a large variety, a few chef's mostly A's. Culls are mostly growth cracks. Some silver scurf but not bad. Shape is oblong to some round. Not bad. Some muting of color but overall not bad. Nice, bright white flesh.
Fenway Red	red/white	Very light red, red color isn't really there. Love the shape, it's a round round. It's got nice size. Might be an earlier maturing variety. White flesh. Culls are mostly misshapes, greens. Light red, variable, some dark red, some pink. Medium eye. Mostly round shape. A lot of deep apical eyes. Firm flesh. Bright white interior. Disappointed in the color.
NDAF113484B1	red/white	Red skin. Good size. Shape is nice. Eyes are shallow but with a shoulder. A few with cracks. Skin has a little texture to it due to silver scurf. Medium, dark red, should clean up nice. Good size, chef's. A little bit of sprouting. We need to look at this again. May have a good disease package. A nice tuber. White flesh
Norland	red/white	Oblong to round shape. Muted red color, white flesh. Some sprouting. Hard to tell it's a red - so much skin blemishes. Nice bright white flesh. Shape is variable, round to oblong round. Medium eyes with deeper apical. Already soft.

Table 2: Observations and Comments on 34 Fresh Market Potato Varieties Evaluated at Barber's Farm, Middleburgh, NY

Variety Name	Skin/Flesh Color	Comments
Red Skin Continued		
NY136	red/white	Some scab. Mostly oblong, smaller are mostly rounded. Medium to deep eye. Colors okay but muted. A little silver scurf. Beginning of scab lesions forming. Flesh is off white like a creamy white. It's okay. Large tuber size. Issue with cracking due to harvesting when cold.
NY164	red/white	Light to medium red skin. A little muted but not bad. A little bit of scab. Some silver scurf. Nice size. Fairly uniform tubers. Nice shape, round. Eyes are shallow to medium deep. White flesh. A little bit of stem end discoloration. Round to slightly oblong. Seems to be a pretty productive potato. Very few visible culls on the line, maybe some misshapes, knobs. A few sprouts.
Specialty Lines		
AF5245-1	purple/white	Bright purple skin. Looks really nice, uniform. Mostly rounds. Slightly oblong round with some flattened ones. Some eyes are deep, esp on the apical end but they are few. There is a little scab, not bad. Bright white flesh. Some silver scurf but not terrible. Good size.
AF5412-3	dark blue/purple	Blue skin variety, oblong in shape, with some knobby growth. Eyes are fairly deep. A little bit of scab, but not much. Some slightly raised lenticels on some tubers. Really nice size, some have knobs but due to size, they went through. Culls are mostly knobs but some are beaked like a bird, misshapes especially. Pretty good quality otherwise. Only a few B's. Chef's are oblongs, A's are flat oblongs to round oblongs. Flesh color is purple-blue, not solid and has a flash of
AF5414-1	purplyred/rose	Love it. A really pretty tuber. Magenta/purply red skin. Medium to slightly deep eye. Oblong but rounded. Can be a little lumpy, like a Chieftan. Good size. Beautiful rose/purple interior, like a blush. Firm. Pretty uniform.
Fleure Bleue	dark blue/purple starburst	Fingerling. Long, thin, with tapering at the stem end. Very shallow and small eyes. Dark blue/purple skin color. Not very lumpy. Flesh is starburst medium dark purple with white ring around outside and white core. Nice fingerling. Rattails and misshapes.
M12-3	dark blue/starburst blue	Purple skin, dark blue/purple. Not bad size. Shape is mostly round to flat round with a few slightly oblongs. Very muted gray color skin after washing. Some scab and silver scurf. Medium eye. Starburst purple interior.
Purple Majesty	dark blue/dark purple	Dark blue skin although muted due to some silver scurf. Much smaller than US Blue but prettier. More refined, less bumpy. Smaller. A little sprouting. Eyes are medium to slightly deep. No obvious blemishes. Some misshapes like dumbbells and pointed ends. Nicer looking maybe fingerling. More round oblong tube shape. Firm flesh with a dark purple interior that stays purple after cooking
US Blue	blue/starburst blue	Blue fingerling type. Long, oblong round. Big fingerling. Lots of shallow eyes. Some knobs and misshapes. Overall yield looks excellent. Some big tubers in there so quality is good. Flesh is starburst blue, with white core. If you're looking for a large blue fingerling it will do. Not the prettiest. Grader didn't like it, tubers got caught in the chains and either broke or were skinned badly. Muted blue skin color with various issues. Some raised eyes, some sunken. Bottlenecks. Okay for a fingerling.
Yellow Fleshed		
6049	red/yellow	Red skin variety. Love the shape and skin, dark red skin, very attractive. Mostly round with just a tiny bit of oblong. Starting to sprout a little. A few misshapes, some knobs. Medium to deep eye. Very few chef's if any and a lot of smaller A's. A lot of doubles where the are connected as culls. Vines must have been a little green when dug because a little bit of the skin is sloughing. Butter yellow flesh. Some blemish to the skin but mostly free of it. Firm flesh

Table 2: Observations and Comments on 34 Fresh Market Potato Varieties Evaluated at Barber's Farm, Middleburgh, NY

Yellow Fleshed Continued		
AF5682-5	white/yellow	A lot of texture/netting to skin, muted white color. Almost russetting. Eyes are fairly shallow. Flattened oblong shape. Internal issues, hollow heart and browning. Slightly yellow flesh. Some scab. Lots of culls, knobs, misshapes and growth cracks.
AF5225-1	white/yellow	Bright white skin. A little bit of skin texture. A nice potato. Mostly round. Eyes are few and shallow. Firm flesh. No hollow heart in the chefs. Nice shape, nice skin color. Not a lot of blemishes to them. Flesh is bright white.
Belmonda	white/yellow	White skin. Oblong, tear drop shaped. Not big tubers, but pretty clean skin. Very few eyes and shallow, a few raised. An attractive variety with a nice bright white skin. Yellow fleshed. A few odd shapes. Beautiful dark yellow flesh. Some texture on the skin due to silver scurf.
Butterfly	white/yellow	A high setting B type, a lot of tubers. Round to flat round, with a few oblongs. A few tear shapes, some dumbbells. A lot of B's. A's are going to be small. The flesh is a bright white. Pretty smooth skin with little blemishes. Eyes are shallow and few. Some muting of skin color. Nice yellow flesh.
Lehigh	white/yellow	Impressive. A little skin russetting. Beautiful shape, mostly rounds. Tiny bit of sprouting. Size is very good, a lot of chef's and nice A's. Eyes are medium deep. Still a nice potato. Pale yellow flesh. Muted skin color. Fair amount of silver scurf gives it skin texture.
Natascha	white/yellow	Very bright white/yellow skin. Smooth, pretty clean skin, not many blemishes. Eyes are fairly shallow. Very attractive. Flesh is a dark yellow. Moist flesh. Shape is oblong. On the small size, lots of A's and B's. Very attractive inside and out. Culls were mostly misshapes.
NY149	white, pink eye/yellow	Love the shape, mostly round with some flattened rounds. Skin has a little texture, a little netting. Kind of a beigey white skin. Flesh is a pale yellow. Some eyes have a slight pink to them. Fairly shallow to medium eye. Fairly uniform. Overall attractive.
NY161	white with purple splash eyes/yellow	White skin. It's okay. A little variable in shape Some oblongs, some rounds with most being round. Culls are misshapes. The purple splash around eye is inconsistent. 30 to 40 percent have purple. Some silver scurf mutes color even more. Eyes are fairly shallow to medium. Deeper eyes have more color. Nice dark yellow flesh, darker than YG. Shape is mostly round. A little texture to the skin, netting.
Soraya	white/yellow	A lot of misshapes, knobs, dumbbells, not good looking potatoes. Skin is bright yellow and smooth. Very shallow eyes, most are actually slightly raised. Mostly oblong, long tubers. Smaller are rounds. Skin is beautiful with few blemishes. Way too many misshapes to be culled out. Dark, dark pretty yellow flesh.
Yukon Gold	white, pink eye/yellow	It's a nice potato. Nice shape, round, slightly flattened. Pale yellow flesh with some pink around the eyes. Eyes are shallow, medium deep. Some stem end discoloration in the flesh, which is consistent across most.
Russet Lines		
AF3362-1	russet/white	Russet - Caribou Russet is trade name. A little PVY, a little wireworm, a little scab. Big tubers. Medium eye. Nice ones are nice, but bad ones are bad. A lot of culls - misshapes. Russet variety. Some alligator hide. Slightly raised eyes, some shallow. Nice russet shape and skin. Some internal issues, browning. It's a russet.
AF5312-1	russet/white	Russet variety. Some alligator hide. Some knobs, some tear drop shaped. Around the eyes tends to be bright white. Nothing great about this. Size is okay. Does have russeted skin. A little scurf. Tubers have knobs, tubers growing off tubers out of the eyes. Some growth cracks, which might be PVY. Not spectacular. Eyes are shallow but make the tuber look lumpy. Bright white flesh.

**Table 3: Cull Weight and Distribution of 34 Fresh Market Potato Varieties Evaluated at Barber's Farm, Middleburgh, NY**

		Cull Total	Cull Distribution					Cull Distribution %				
Variety	Total Marketable Yield (Cwt) <sup>1</sup>	All Culls (cwt)	Green (cwt)	Culls (cwt)	Scab (cwt)	Cracks (cwt)	Mishapes /knobs (cwt)	Green %	Culls %	Scab %	Cracks %	Mishapes /knobs %
<b>White Skin</b>												
747	301.04	134.93	3.93	69.69	0.00	9.17	52.14	3%	52%	0%	7%	39%
AF4648-2	204.62	2.88	0.00	0.00	0.00	0.00	2.88	0%	0%	0%	0%	100%
AF5682-3	214.32	42.18	13.10	0.79	0.00	10.74	17.55	31%	2%	0%	25%	42%
Eva	350.29	17.82	10.74	0.52	0.00	3.14	3.41	60%	3%	0%	18%	19%
Joli	287.41	45.33	2.62	9.69	0.00	7.34	25.68	6%	21%	0%	16%	57%
NY151	374.14	14.93	7.34	0.79	0.00	1.83	4.98	49%	5%	0%	12%	33%
<b>Red Skin</b>												
AF4831-2	357.37	15.98	0.52	2.36	0.00	10.48	2.62	3%	15%	0%	66%	16%
Chieftan	333.26	60.78	1.57	19.65	0.00	27.25	12.31	3%	32%	0%	45%	20%
Dakota Ruby	329.07	9.96	0.00	0.52	0.00	4.45	4.98	0%	5%	0%	45%	50%
Fenway Red	324.09	23.58	4.45	7.60	0.00	7.34	4.19	19%	32%	0%	31%	18%
NDAF113484B1	248.64	13.62	3.67	0.00	0.00	9.96	0.00	27%	0%	0%	73%	0%
Norland	271.96	37.99	4.19	14.93	2.36	12.05	4.45	11%	39%	6%	32%	12%
NY136	219.56	27.25	2.62	9.69	0.00	10.48	4.45	10%	36%	0%	38%	16%
NY164	352.39	17.29	0.00	5.76	0.00	4.45	7.07	0%	33%	0%	26%	41%
<b>Specialty</b>												
AF5245-1	195.98	6.03	1.57	0.00	0.00	2.10	2.36	26%	0%	0%	35%	39%
AF5412-3	314.14	40.35	4.45	14.67	0.00	2.62	18.60	11%	36%	0%	6%	46%
AF5414-1	446.97	17.82	0.00	15.20	0.00	0.00	2.62	0%	85%	0%	0%	15%
Fleure Bleue	390.90	52.40	0.00	0.00	0.00	0.00	52.40	0%	0%	0%	0%	100%
M12-3	400.34	17.03	2.88	0.00	0.00	12.58	1.57	17%	0%	0%	74%	9%
Purple Majesty	228.46	18.08	0.79	6.29	0.00	1.05	9.96	4%	35%	0%	6%	55%
US Blue	233.70	29.87	0.00	14.93	0.00	0.00	14.93	0%	50%	0%	0%	50%

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Yellow Flesh												
6049	387.24	62.62	4.19	52.92	0.00	3.14	2.36	7%	85%	0%	5%	4%
AF5682-5	158.51	220.60	0.00	0.00	0.00	22.06	198.54	0%	0%	0%	10%	90%
AF5225-1	352.91	14.15	8.12	1.83	0.00	0.00	4.19	57%	13%	0%	0%	30%
Belmonda	384.62	34.06	2.36	5.24	2.36	0.00	24.10	7%	15%	7%	0%	71%
Butterfly	274.05	41.92	0.79	3.67	0.00	1.57	35.89	2%	9%	0%	4%	86%
Lehigh	355.53	8.91	0.00	2.10	0.00	5.24	1.57	0%	24%	0%	59%	18%
Natascha	222.96	12.84	1.57	10.22	0.00	0.00	1.05	12%	80%	0%	0%	8%
NY149	363.39	11.79	8.65	0.00	0.00	0.00	3.14	73%	0%	0%	0%	27%
NY161	394.31	60.26	3.14	14.93	0.00	16.51	25.68	5%	25%	0%	27%	43%
Soraya	215.63	102.44	7.60	79.65	0.00	1.83	13.36	7%	78%	0%	2%	13%
Yukon Gold	212.48	24.10	12.05	0.00	0.00	6.55	5.50	50%	0%	0%	27%	23%
Russet												
AF3362-1	161.13	107.94	8.12	0.00	79.65	8.38	11.79	8%	0%	74%	8%	11%
AF5312-1	234.23	52.92	6.03	15.46	0.00	14.93	16.51	11%	29%	0%	28%	31%

**Table 4: Name, Seed Source and Quick Description of 34 Fresh Market Potato Varieties Grown at Barber's Farm, Middleburgh, NY**

Variety Name	Seed Source	Skin Type	Flesh Type		Variety Name	Seed Source	Skin Type	Flesh Type
747	Childstock Farm	white	white		Fenway Red	Childstock Farm	red	white
6049	Childstock Farm	red	yellow		Fleure Bleue	Childstock Farm	purple	purple/white
AF3362-1	University of Maine	brown	white		Joli	Childstock Farm	white	white
AF4648-2	University of Maine	white	white		Lehigh	Cornell University	white	yellow
AF4831-2	University of Maine	red	white		M12-3	Cornell University	purple	purple/white
AF5225-1	University of Maine	white	cream		Natascha	Childstock Farm	white	yellow
AF5245-1	University of Maine	purple	white		NDAF113484B-1	University of Maine	red	white
AF5312-1	University of Maine	brown	white		Norland	Cornell University	red	white
AF5412-3	University of Maine	purple	purple		NY136	Cornell University	red	white
AF5414-1	University of Maine	red	red		NY149	Cornell University	white	yellow
AF5682-3	University of Maine	white	white		NY151	Cornell University	white	white
AF5682-5	University of Maine	white	yellow		NY161	Cornell University	white	yellow
Belmonda	Childstock Farm	white	yellow		NY164	Cornell University	red	white
Butterfly	Childstock Farm	white	yellow		Purple Majesty	Childstock Farm	purple	purple
Chieftan	Cornell University	red	white		Soraya	Childstock Farm	white	yellow
Dakota Ruby	Childstock Farm	red	white		US Blue	Childstock Farm	blue	blue
Eva	Cornell University	white	white		Yukon Gold	Cornell University	white	yellow