

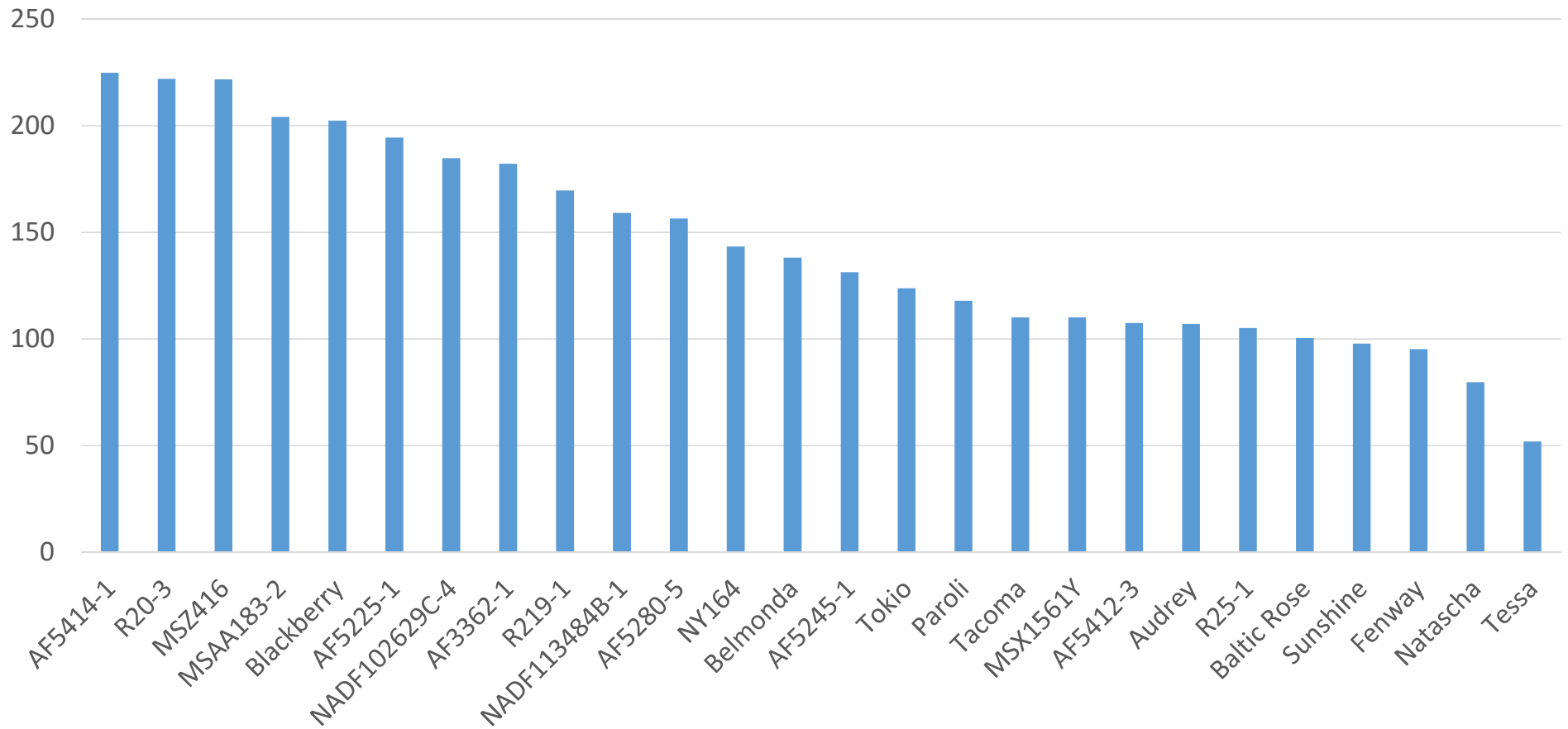
Cornell Cooperative Extension

Eastern NY Commercial Horticulture Program

2019 Potato Variety Trial



Total Marketable Yield (Cwt)



Trial Information

- Schoharie County on a Barbour loam
- Conventional
- Row spacing: 40", in row spacing: 8"
- Planted in 2 plantings, first 5/31/19, second 6/10/19
- Dryland plot
- Harvested October 11th and graded November 6th using grower grader with chains set at various lengths as seen in data

White Skin, White Flesh Lines



AF5225-1



AF5280-5



Audrey

Cornell Cooperative Extension



NADF102629C-4

AF5225-1

- University of Maine
- White skin, white flesh
- Very nice round shape with some flattened
- Very uniform
- Mostly large A's or large B's with no in between
- Few culls
- Strong, pleasant flavor



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	16	130	49	8	67	25

AF5280-5

- University of Maine
- White skin, white flesh
- Round, round shape
- Has very attractive, bright white skin with little texture
- Some variation in sizes, chef's, A's and B's all present and look nice
- No scab or misshapes, only culls were a few cracks
- Very nice



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	156	89	54	8	57	35

Audrey

- Childstock Farm
- White skin, white flesh
- Skin is mostly smooth and bright
- Oblong shape, similar to a russet, although there was some variation
- Had some scab issues
- Firm texture after cooking, mild to no flavor



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	107	52	45	10	48	42

NADF102629C-4

- University of Maine
- White skin, white flesh
- Round, round shape, very nice looking
- Fairly smooth skin that is bright white
- Great size, with mostly large A's and some large B's, all very uniform
- Flesh stays bright white after cooking, nice mild flavor



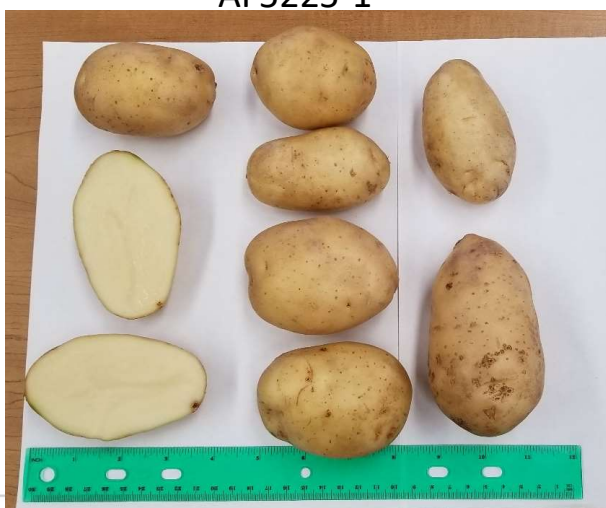
	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	14	106	39	9	66	25



AF5225-1



AF5280-5



Audrey



NADF102629C-4



Fenway Red

NY164

Red Skin White Flesh Lines



NADF113484B-1

R25-1



Fenway Red

- Childstock Farm
- Red skin, white flesh
- Nice dark red skin
- Round, round shape
- Relatively uniform
- Yield wasn't great, some decent size A's but also a lot of B's
- Very little scab
- Okay flavor, texture is a little grainy but not bad



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
95	4	51	40	4	53	42

NDAF 113484B-1

- University of Maine
- Red skin, white flesh
- Liked this variety in 2018 as well
- Round, round shape that was very nice
- No scab or misshapes
- Good size and variety of sizes
- Lots of really big A's and some very nice B's as well
- Bright white flesh after cooking, decent potato flavor



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
159	14	106	39	9	66	25

NY 164

- Cornell University
- Red skin, white flesh
- Liked this in 2018 as well
- Really nice dark skin
- Round, round shape, very uniform
- Mostly large A's with some chefs and large B's
- Only culls are cracks
- No scab
- Smooth texture after cooking, nice mild flavor



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	31	85	27	21	60	19

R25-1

- Cornell University
- Red skin, white flesh
- Fingerling
- Nice, round shape
- Decent size
- Pink skin
- Culls are primarily knobs and misshapes but not a large amount total and they didn't really clog the grader
- Very mild flavor, firm texture after cooking



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	0	64	41	0	61	39



Fenway Red



NY164



NADF113484B-1



R25-1

Red Skin Yellow Flesh Lines



Baltic Rose



MSZ416-08RY



R20-3

Baltic Rose

- Childstock Farm
- Red skin, deep yellow flesh
- Round to slightly oblong shape that is very nice
- A little texture to skin, has tiny white spots all over it
- A tiny bit of scab
- Mostly medium A's and B's
- One of the favorites in the taste testing, texture is incredibly smooth and it has delicious taste



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
100	6	48	46	6	48	46

MSZ416-08RY

- Michigan State University
- Red skin, yellow flesh
- Third highest marketable yield
- Beautiful dark red skin
- Round, round shape
- Very uniform
- Decent amount of chefs and lots of large A's
- Overall, really really nice
- Mild pleasant flavor, texture isn't smooth but not bad



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
222	39	136	46	18	61	21

R20-3

- Cornell University
- Light pink skin, yellow flesh
- Second highest marketable yield
- Skin has a little netting texture
- No scab
- Mostly round shape with a slight oblong, a little bit flattened
- Texture is firm after cooking, nice pleasant taste



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
222	23	108	91	11	49	41



Baltic Rose



MSZ416-08RY



R20-3

White Skin Yellow Flesh Lines

- Sunshine
- Natascha
- Tessa
- Tokio
- Paroli
- Tacoma
- MSX1561Y
- Belmonda



Belmonda

- Childstock Farm
- White skin, yellow flesh
- Skin is fairly smooth
- Oblong to oblong round shape
- Nice size and shape
- A little bit of scab
- Mild okay flavor. Texture is a little grainy after cooking but not bad



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
138	10	84	44	7	61	32

MSX156-1Y

- Michigan State University
- White skin, pale yellow flesh
- A little texture to the skin
- Round, round shape
- Decent amount of scab present
- Nice size
- Extremely firm flesh after cooking, really delicious sweet taste that was very interesting



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
110	37	61	12	34	55	11

Natascha

- Childstock Farm
- Bright white skin, dark yellow flesh
- Low yield due to early cutting of seed pieces, we were pleased with yield in 2018
- Oblong to slightly round shape
- Eats well, one of our favorites, smooth texture, nice flavor



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	7	46	26	29	64	7

Paroli

- Childstock Farm
- White skin, yellow flesh
- A little bit of texture to the skin
- Mostly round shape with some oblongs
- Culls were a little PVY, misshapes and splits
- Very little scab
- Not a ton of taste, texture was sticky after cooking



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	20	50	48	17	43	41

Sunshine

- Childstock Farm
- White skin, yellow flesh
- Skin is pretty and smooth
- Oblong shape
- A decent amount are banana shaped
- Some A's dropped through the grader chains sideways and had to be pulled out of the B's
- Decent size
- Very firm texture and very moist after cooking



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	13	41	44	13	42	45

Tacoma

- Childstock Farm
- White skin, pale yellow flesh
- Mostly oblong shape with some teardrop ends
- Skin is bright and fairly smooth
- Sizes were either big A's or medium B's, all very uniform in size
- A little scab
- Texture after cooking was good, similar to a russet. Taste was mild but good



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
110	3	54	52	3	50	47

Tessa

- Childstock Farm
- White skin, yellow flesh
- Skin is bright and smooth
- Bigger tubers are more oblong
- Serious scab issues, would advise not to grow if scab is an issue
- Very dry texture after cooking, taste is mild but nice



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
52	5	24	24	9	45	45

Tokio

- Childstock Farm
- Bright white skin, pale yellow flesh
- Skin is bright and smooth
- Tubers are all small, both A's and B's
- Shape is round and slightly flattened
- Dry flesh after cooking, very little flavor



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	1	42	80	1	34	65



Belmonda



MSX156-1Y



Natascha



Paroli



Sunshine



Tacoma



Tessa



Tokio

Specialty Lines

- AF5414-1
- R219-1
- AF5245-1
- AF5412-3
- MSAA183-2
- Blackberry



AF5245-1

- University of Maine
- Bright purple skin, bright white flesh
- Liked this variety in 2018 as well
- Round, slightly oblong shape with some variation
- A little bit of scab
- Eyes were set a little deeper in the potato
- Different and interesting flavor, mild but good



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	7	80	45	5	61	34

AF5412-3

- University of Maine
- Purple skin, purple blue flesh
- Oblong shape, round oblong
- A little lumpy but shape is nice generally
- Good size, very uniform
- Overall yield is good
- Very little scab



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
107	21	74	13	20	69	12

AF5414-1

- University of Maine
- Dark red skin, rose red/purple flesh
- Highest marketable yield in both 2018 and 2019
- Round to flattened round shape
- Skin is fairly smooth
- Very little scab
- Can be a little a little lumpy but not a major issue
- Excellent yielding with a wide variety of sizing
- One of our favorite tasting, good texture and unusual and delicious tasting



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	12	114	98	5	51	44

Blackberry

- Michigan State University
- Extremely dark purple flesh and purple skin
- High setting, lots of B's and nice, small A's
- Round, round shape
- Very uniform
- Deep eye
- Some texture to the skin
- Overall a good looking potato with high set and yield but tastes like nothing



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
202	0	95	107	0	47	53

MSAA183-2PY

- Michigan State University
- Dark purple skin, yellow flesh
- Nice round shape, some slightly flattened
- Excellent size, lots of large A's and some chef's. B's are also big
- Clean skin with just a touch of scab
- Good yields
- Very strong potato flavor, very nice, texture is waxy after cooking



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	19	153	32	9	75	16

R219-1

- Cornell University
- Fingerling
- Long and large for a fingerling, decent size
- Nice shape, no weird funky knobs
- Good deep red color
- Some smaller A's fell through the grader to the B's
- A lot of large A's that are very nice
- Strong flavor that was liked and disliked by tasters



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
170	8	105	57	5	62	33



AF5414-1



AF5245-1



Blackberry



AF5412-3



MSAA183-2PY



R219-1

Russets

- AF3362-1 (Caribou Russet)



AF3362-1

- Trade name is Caribou Russet
- University of Maine
- Oblong, round russet shape
- In 2018, had some issues with misshapes and internal issues but did well in 2019
- No scab
- Lots of chefs, large A's and large B's, consistent and nice
- A few misshapes but not many
- Delicious flavor, very strong with nice dry flesh



	Yield of Marketable Tubers by Size Distribution (cwt.)			% of Marketable Yield by Size Distribution		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (%)	#1 "A's" (%)	"B's" (%)
Total Marketable Yield (Cwt)¹	82	88	12	45	48	6

Thank you to our farm collaborator Jake Hooper of Barber's Farm

And thank you to our seed suppliers:

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Dr. Greg Porter, University of Maine Potato Breeding Program

Dr. Walter De Jong, Cornell University Potato Breeding Program

Dr. David Douches, Michigan State University Potato Breeding Program

The Eastern New York Commercial Horticulture Program is a Cornell Cooperative Extension Partnership between Cornell University and the CCE Associations in the 17 Eastern New York counties.

