

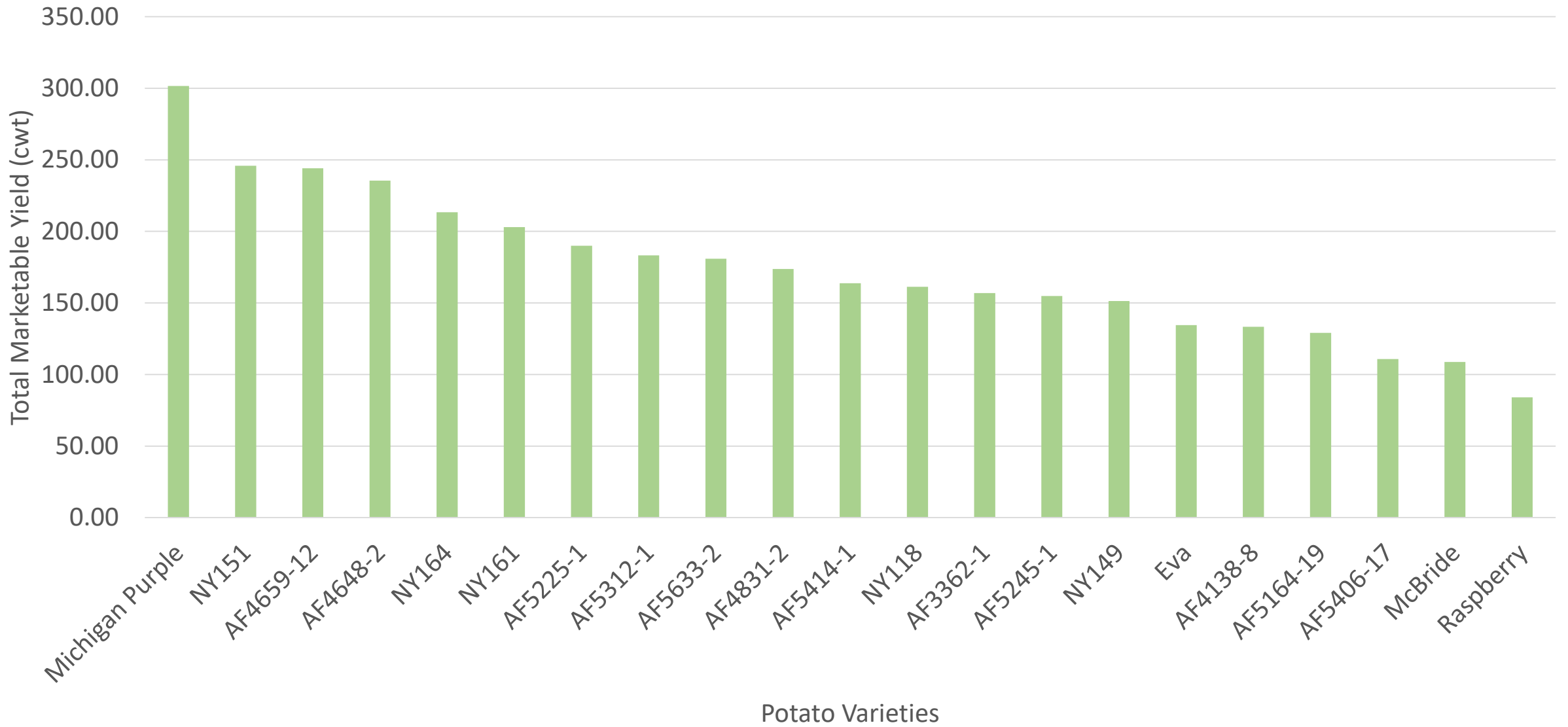


Cornell Cooperative Extension

Eastern NY Commercial Horticulture Program



Total Marketable Yield (Cwt) per Acre



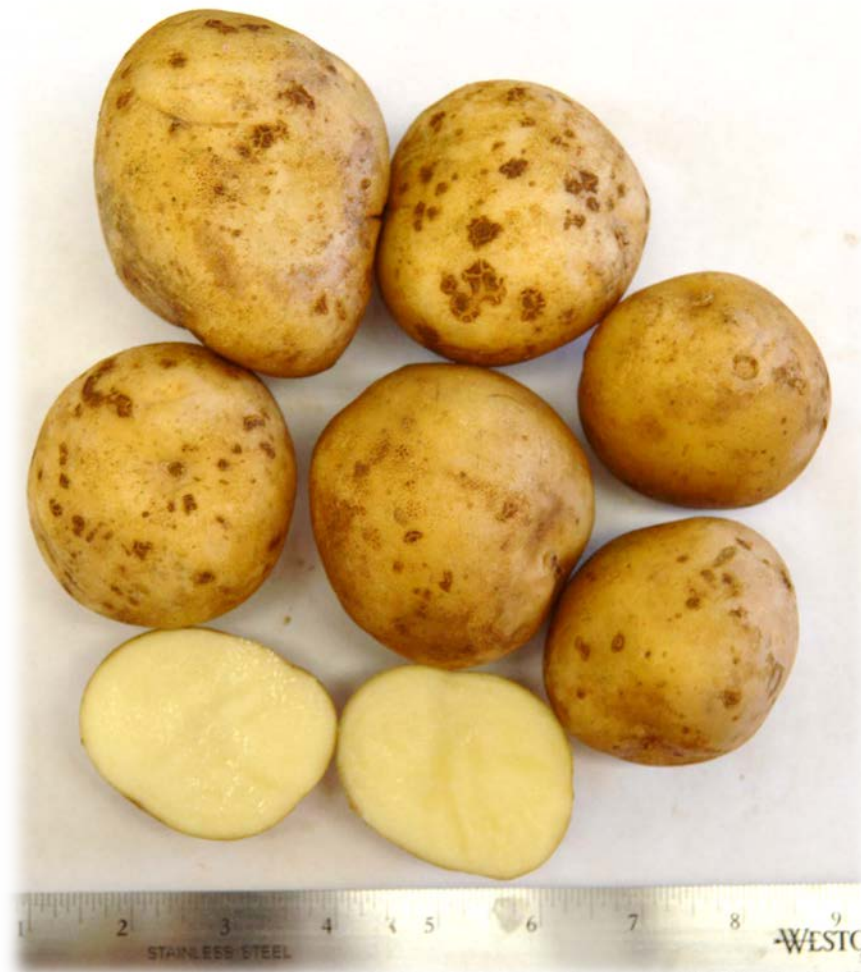
Trial Information

- Schoharie County
- Conventional
- Row spacing: 34", in row spacing: 8"
- Planted May 12th
- Plants irrigated 4 times in August
- Vines mowed first week in September, dug Sept 27th
- Grading October 26th using grower grader with chains set at various lengths as seen in data

White Skin Lines

NY 151

- Bright, white skinned variety with a very round attractive shape
- Little bit of green, not a lot of appearance flaws
- Overall size and yield potential is decent
- Eyes are fairly shallow
- Would evaluate again



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
245.92	2.03	175.45	68.44	4.06	350.90	136.88

AF4648-2

- Incredibly bright, white, smooth skin and flesh; mostly smooth skinned, very few shallow eyes
- Tubers are mostly flat oblong with a few rounds
- Very firm and hard to cut by hand
- Culls were mostly growth cracks and some greening



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
235.48	5.51	152.83	77.14	11.02	305.66	154.28

AF4138-8

- Bright white skin, raised lenticals
- Bright white flesh
- Some scab
- Not a lot of large tubers, mostly round but larger ones are slightly oblong
- Small, shallow eyes



	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	4.93	65.83	62.64	9.86	131.66	125.28

Eva

- Standard to grade against
- White skin, white flesh
- Good amount of scab, more than preferred seen
- Some greening
- Shallow to medium eyes
- Chef size tubers get a little oblong



	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	1.74	114.55	18.27	3.48	229.10	36.54

AF5225-1

- White skin and creamy white flesh
- Very round
- Not bad looking overall, but small
- Fairly clean of scab
- Smooth skin, with medium depth eyes



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
189.95	0.00	73.95	116.00	0.00	147.90	232.00



AF5225-1



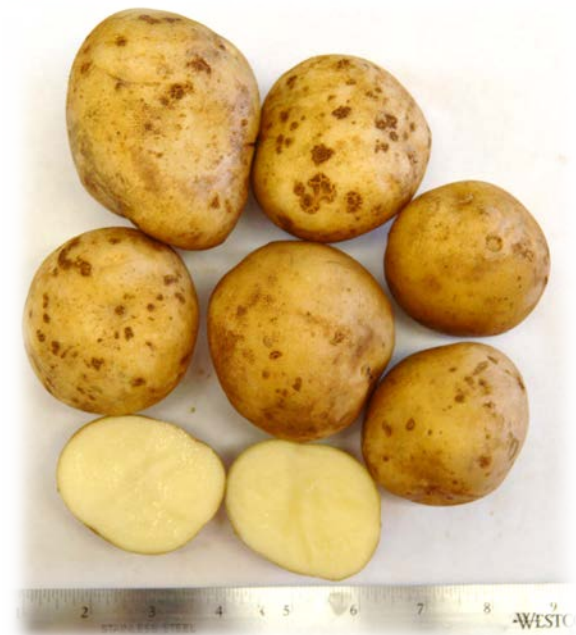
Eva



AF4648-2



AF4138-8



NY 151

Red Skin Lines

NY 164

- Decent red color, a shade darker than NY 118, similar to AF4831-2
- Bright white flesh
- Impressed overall with size and color
- Not a lot of heaving netting, eyes were shallow and few
- Has potential



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
213.44	18.56	47.85	147.03	37.12	95.70	294.06

NY 118

- Red skin, a little bit lighter compared to other reds, nice though
- Bright white flesh
- Decent size, pretty round
- Shallow eyes
- A few growth cracks



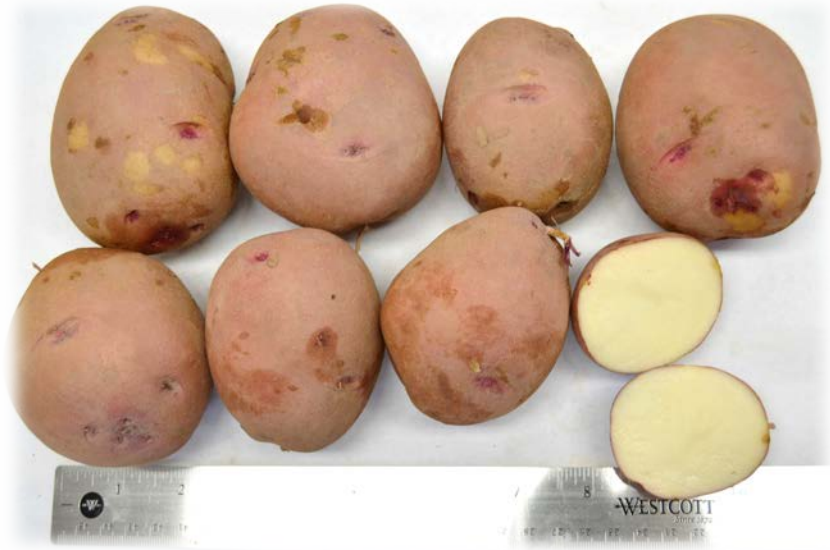
	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	10.15	121.22	29.87	20.30	242.44	59.74

AF4831-2

- Red skin, not super dark or light, very nice
- White flesh
- Not much scab
- Shallow eyes, not too many of them
- Some silver scurf but not bad



	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	0.00	52.49	121.22	0.00	104.98	242.44



NY 118



NY 164



AF4831-2

Yellow Flesh Lines

McBride

- Round white, fairly bright white skin
- Pale yellow flesh
- Some texture to the skin
- Eyes are medium but not real deep
- Attractive looking tubers



	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	0.00	55.97	52.78	0.00	111.94	105.56

NY 149

- Shape is not quite round, slightly oblong
- Flesh color is pale yellow
- Small shallow eye with pink tinge
- Picked out what appears to be Potato Virus Y, less than 2%
- Lacks size that Yukon Gold gets



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
151.38	0.00	68.44	82.94	0.00	136.88	165.88

AF4659-1

- Oblong and thin with a red ribbon around it, more of a specialty fingerling
- Variable size and shape with stem end often tapered, which may lead to mechanical grading issues
- Medium yellow flesh
- Eyes are shallow and few
- Due to shape, many A's fall through chain to become B's



	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	0.00	109.33	134.85	0.00	218.66	269.70

NY 161

- Round, white skin with distinct purple coloring on eyes
- Buttery yellow to medium yellow flesh, very appealing
- Overall size is okay
- Slightly oblong shape with some flats
- Not sure what consumers will think about the purple eyes, potentially think it is diseased?



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
203.00	1.45	121.22	80.33	2.90	242.44	160.66



NY 161



McBride



AF4659-1



NY 149

Specialty Lines

AF5414-1

- Red skin, fairly deep eyes
- Pink/rose starburst flesh is pretty
- Mostly round shape, a little oblong
- Fairly small but clean
- No scab



	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	0.00	93.09	70.76	0.00	186.18	141.52

Michigan Purple

- Good yield, great size
- Flat, round shape, very pretty overall
- Medium eyes
- White flesh, dark purple skin
- Some scab and some splits, but very few defects



	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
Total Marketable Yield (Cwt) ¹	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
301.60	51.04	211.99	38.57	102.08	423.98	77.14

AF5245-1

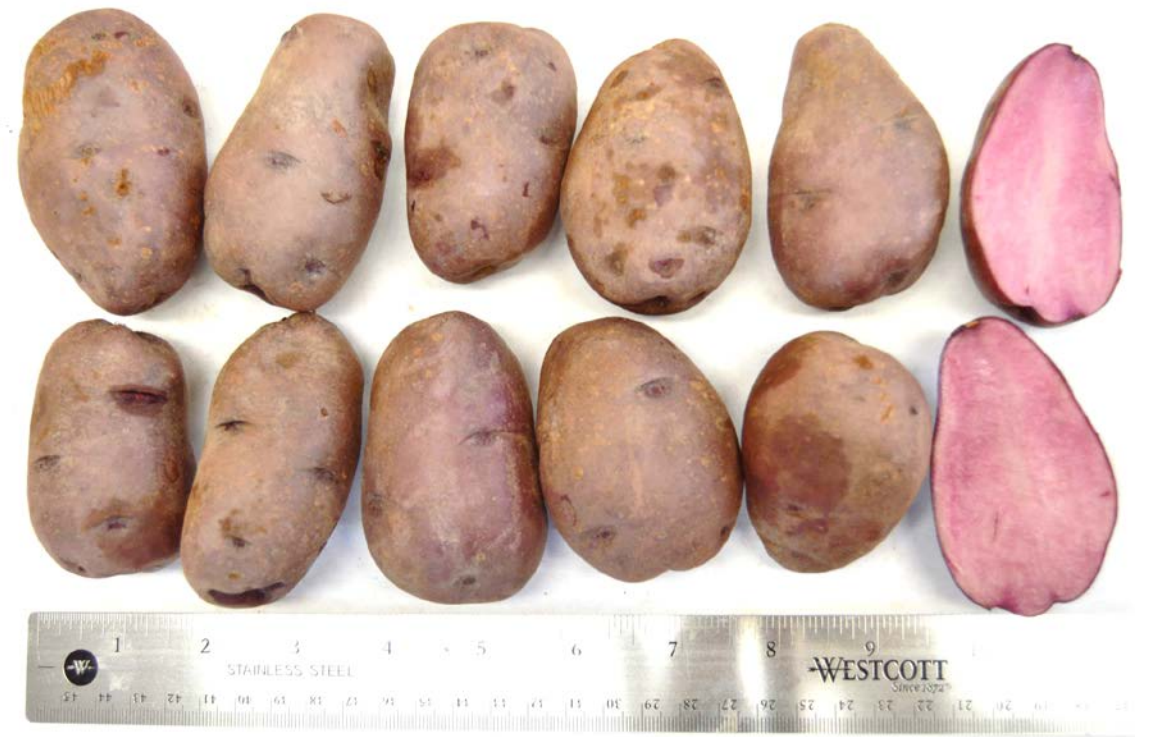
- Dark purple skin with a bit of netting, very attractive
- Tubers are flat round to slightly oblong
- Bright white flesh
- Medium deep eyes
- Fair yield, but still small in size



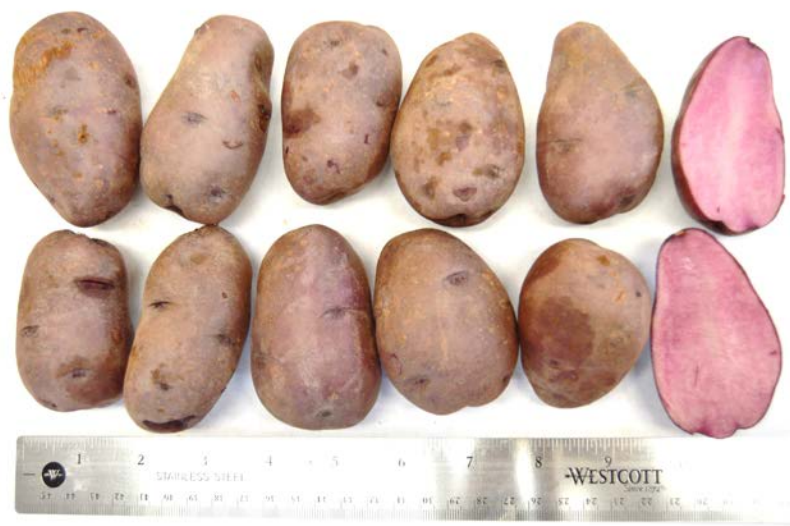
	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	4.06	79.75	71.05	8.12	159.50	142.10

Raspberry

- Oblong, specialty fingerling
- Dark purple skin
- Purple/magenta interior that is very pretty
- Size is small and A's fall through the chain to B's
- Eyes medium, shallow
- Little bit of scab



	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	0.00	8.12	75.98	0.00	16.24	151.96



Raspberry



AF5414-1



AF5245-1

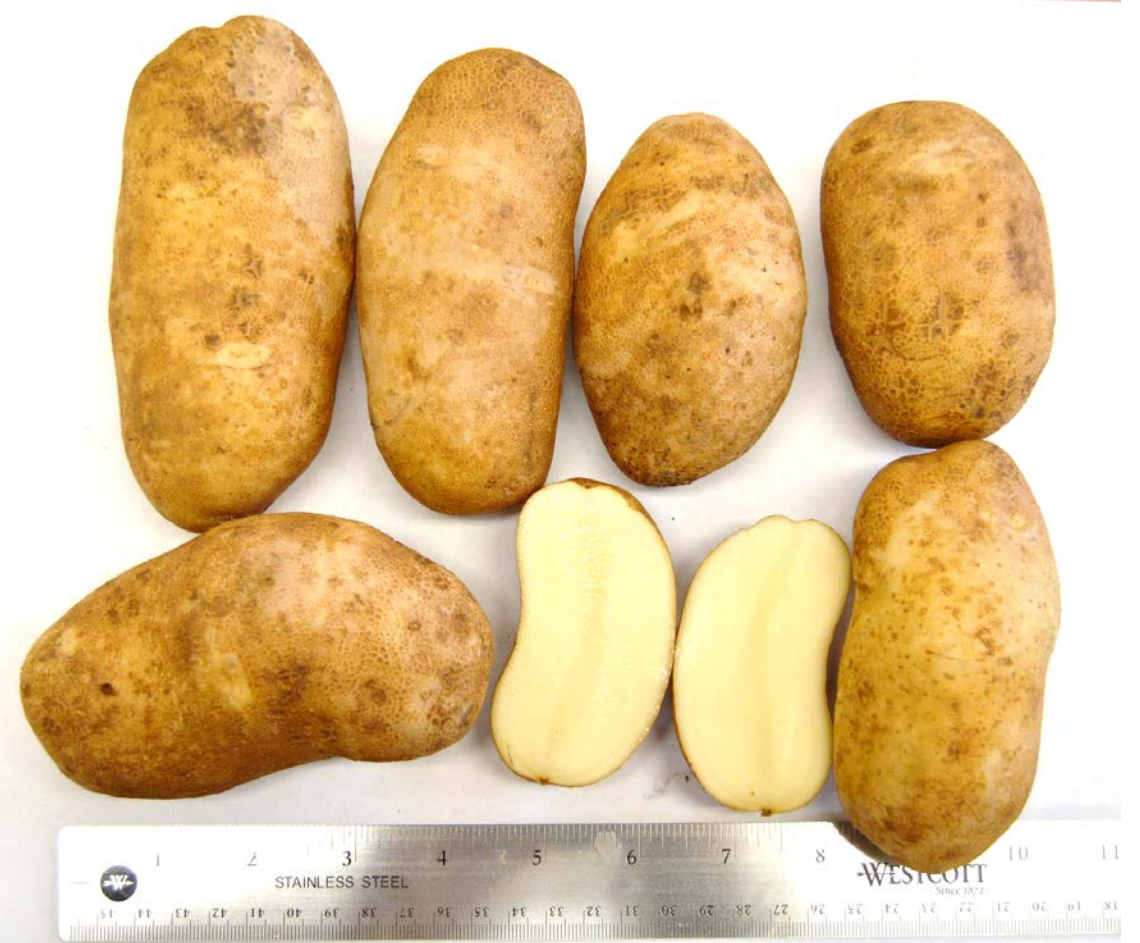


Michigan Purple

Russets

AF5406-17

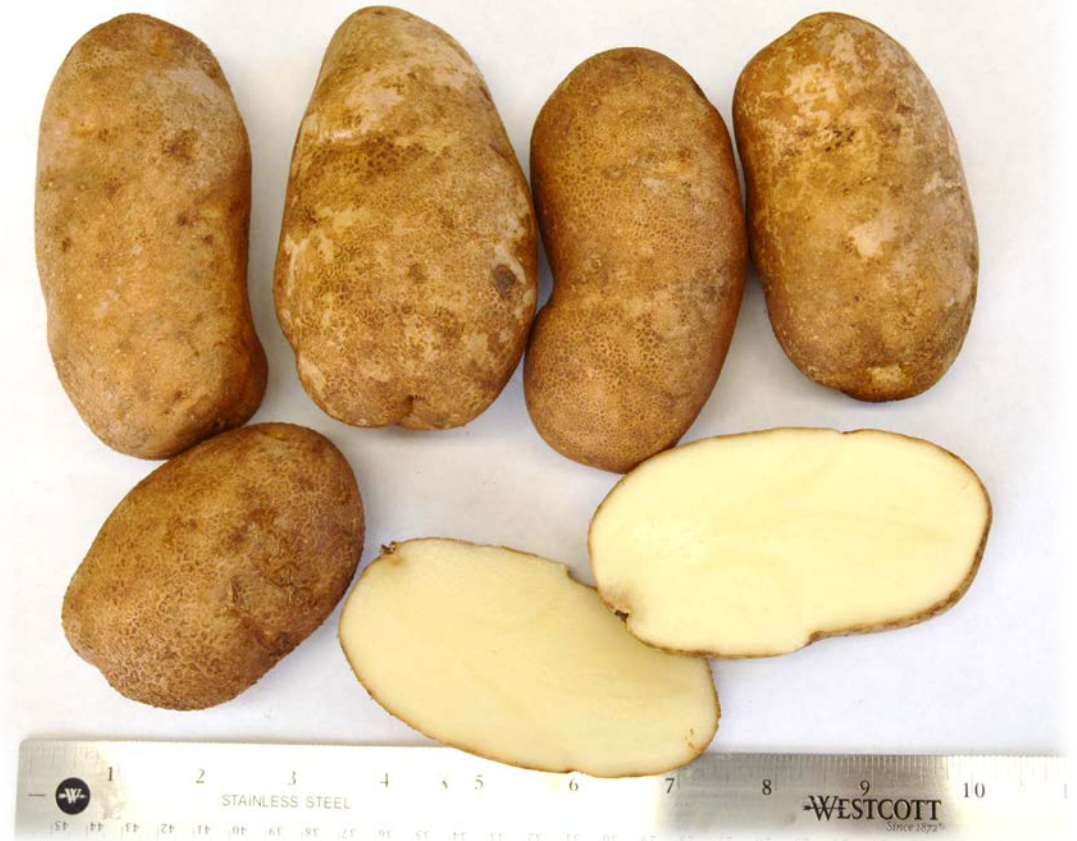
- Long, white oblong
- Good size
- Deep, medium eye
- White, moist flesh
- A touch of alligator hide
- A little scab and wireworm damage



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
110.78	18.56	65.25	26.97	37.12	130.50	53.94

AF5164-19

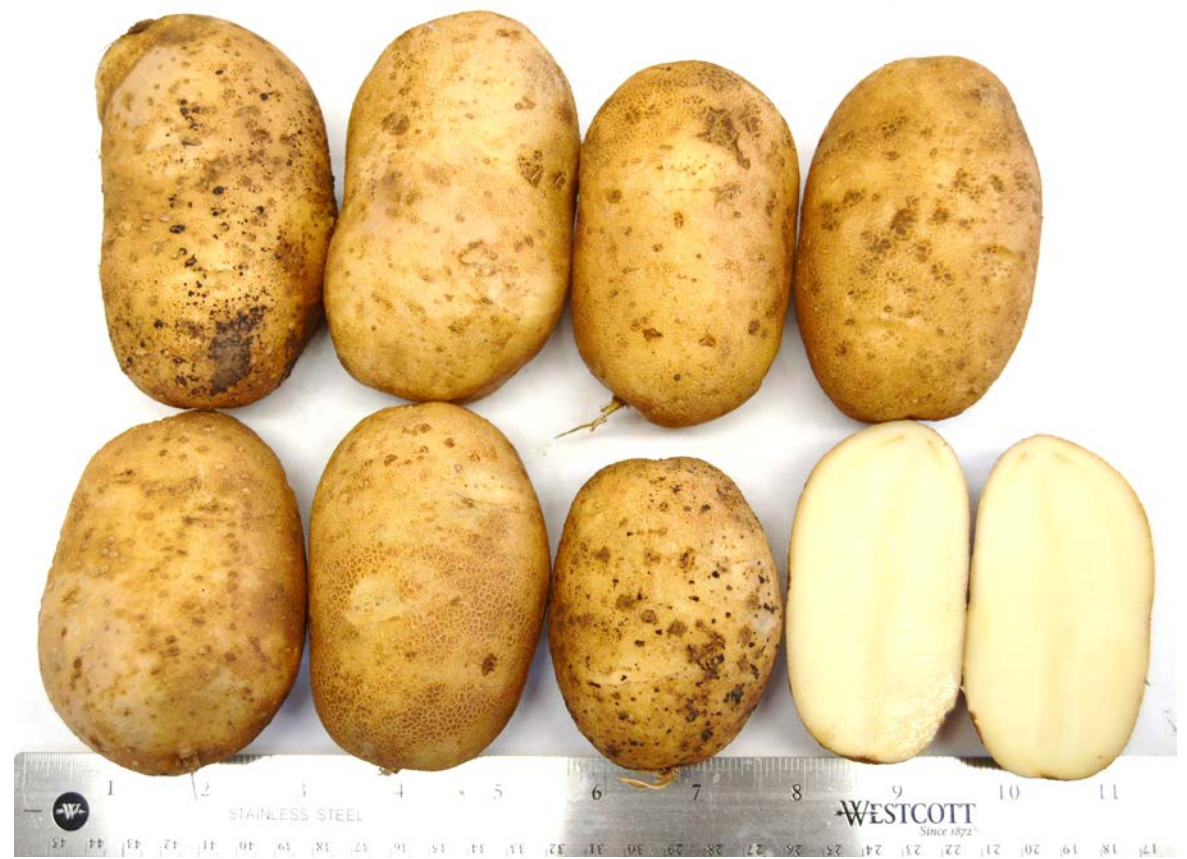
- Long, white oblong
- Pretty uniform with good size
- Overall poor quality due to a fair amount of scab, a little bit of green, some elephant hide, fair amount of stem end rot, a little bit of wireworm damage, some misshapes
- Fairly deep eyes
- Nice, bright white flesh



	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	16.82	86.71	25.52	33.64	173.42	51.04

AF5633-2

- Long russet
- Raised lenticels
- White flesh
- Medium shallow eye
- Vascular discoloration on stolon end, but not unmarketable
- Overall size isn't bad but not a pretty tuber



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
180.96	7.83	107.59	65.54	15.66	215.18	131.08

AF3362-1

- Long, narrow, oblong size
- Nice shape and skin
- Eyes fairly shallow
- Flesh is a nice, bright white.
- A little scab and alligator hide
- Some cuts and misshapes, misshapes can still be sold in fresh markets here
- Very nice, would like to see more grown in this region



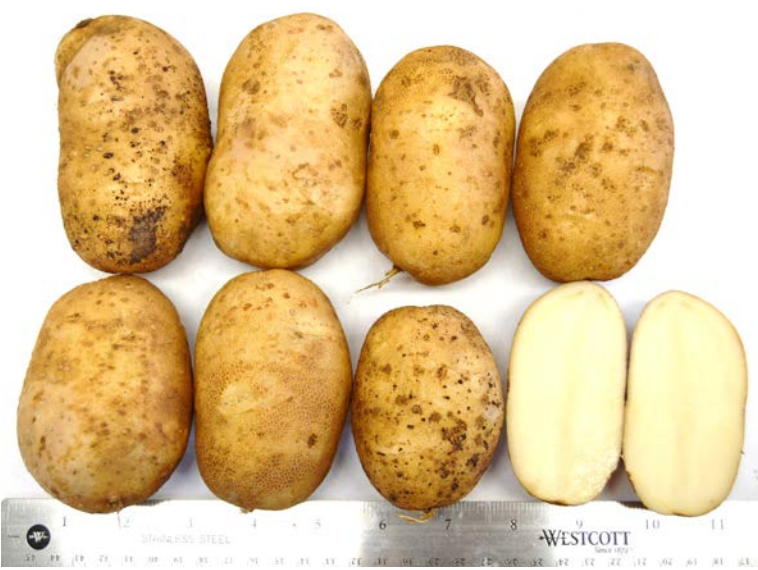
	Yield of Marketable Tubers by Size Distribution (Cwt)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
Total Marketable Yield (Cwt)¹	79.46	34.22	86.42	68.44	27.54	50.65

AF5312-1

- Nicer russet skin than AF5164-19 and AF5406-7
- Size is a little bit smaller than other russets but uniform size and shape
- Mostly oblong
- Shallow, smooth eyes
- Bright white flesh
- Some wireworm damage but no scab



Total Marketable Yield (Cwt) ¹	Yield of Marketable Tubers by Size Distribution (cwt.)			Yield of Marketable Tubers by Size Distribution (50 lb bags)		
	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")	Chef's (> 3")	#1 "A's" (> 2 1/2")	"B's" (< 2")
183.28	4.35	127.31	51.62	8.70	254.62	103.24



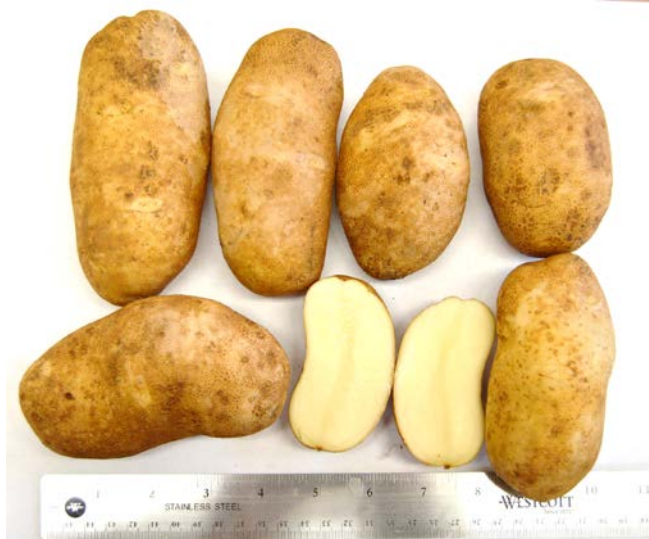
AF5633-2



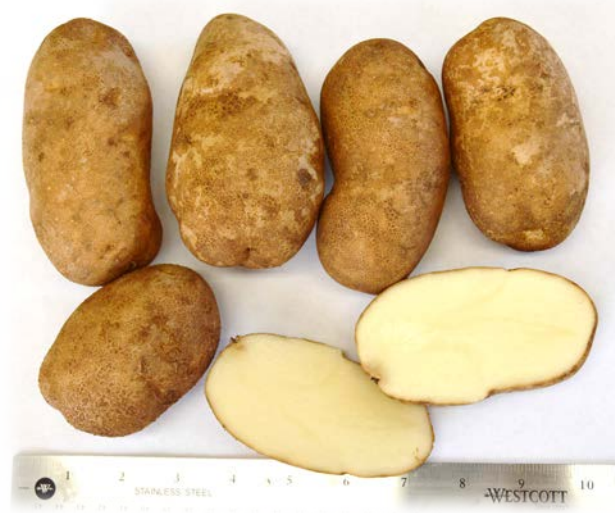
AF3362-1



AF5312-1



AF5406-17



AF5164-19