

## Field and High Tunnel Comparisons -Olathe and Wichita, KS Kansas State University

Tomatoes, 2010

Variety	High Tunnel						Field Plots					
	US1	Mktbl	Cull	Total	%	Lb/Fruit	US1	Mktbl	Cull	Total	%	Lb/Fruit
<u>Olathe</u>	Lb/Plant				Cull		Lb/Plant				Cull	Lb/Fruit
Prudens Purple	8.0	16.1	7.7	23.7	32	0.78	0.4	0.7	2.0	2.7	74	0.88
Cherokee Purple	7.1	15.8	12.0	27.8	43	0.62	0	0	0	0	0	-
Brandywine	12.8	25.7	11.5	37.2	31	0.70	0.0	0.3	1.4	1.7	81	0.53
Pineapple	12.4	19.3	13.6	32.9	41	0.83	0	0	0	0		-
Aunt Ruby's Green German	5.2	10.0	13.4	23.4	57	0.68	0.0	1.9	0.0	1.9	0	0.35
Arkansas Traveler	5.8	14.1	14.0	28.1	50	0.38	0.0	0.1	1.7	1.8	95	0.31
Big Beef	10.0	21.9	10.4	32.3	32	0.46	0.0	0.8	5.0	5.8	87	0.29
BHN 589	11.0	19.0	11.9	30.9	39	0.44	0.5	1.6	6.9	8.5	81	0.44
Mt Fresh Plus	16.8	30.3	11.7	42.0	28	0.46	0.1	2.7	6.8	9.5	72	0.54
Scarlet Red	13.9	24.5	12.3	36.8	33	0.48	0.0	0.0	0.7	0.7	100	0.22
<b><u>Wichita</u></b>												
Prudens Purple	5.0	12.8	2.5	15.3	16	0.62	0.0	0.2	0.3	0.5	62	0.49
Cherokee Purple	2.4	7.9	2.8	10.7	26	0.61	0.0	0.6	1.6	2.2	72	0.39
Brandywine	0.8	3.6	1.4	5.1	28	0.70	0.1	0.7	0.7	1.4	49	0.52
Pineapple	4.2	11.1	2.5	13.6	18	0.77	0.2	0.6	0.4	1.0	44	0.66
Aunt Ruby's Green German	1.5	6.7	5.4	12.1	45	0.58	0.0	0.1	0.6	0.7	89	0.38
Arkansas Traveler	2.2	7.3	3.0	10.3	29	0.37	0.0	0.3	0.6	1.0	65	0.24
Big Beef	11.5	24.4	0.9	25.4	4	0.34	3.2	4.1	0.8	4.9	17	0.34
BHN 589	8.4	20.2	2.9	23.2	13	0.37	1.9	3.3	2.2	5.5	39	0.31
Mt Fresh Plus	7.8	20.0	2.8	22.8	12	0.37	0.5	1.1	1.8	2.9	62	0.30
Scarlet Red	10.3	25.4	2.4	27.8	9	0.48	2.2	4.2	1.7	6.0	29	0.35

Average Yield	High Tunnel					
	Olathe					
Heirloom	8.5	16.9	12.0	28.9	42	0.66
Hybrids	12.9	23.9	11.6	35.5	33	0.46
	Wichita					
Heirloom	2.7	8.2	2.9	11.2	27.1	0.61
Hybrids	9.5	22.5	2.3	24.8	9.3	0.39

3 replications of 5 plants each  
 Harvest July 22 through Sept 7 (both locations)  
 Mktbl=US#1 and US#2