

**Table 1. Tomato cultivars, their descriptions and reported disease resistance, planted at Quicksand, KY in 2003.**

<b>Variety Name (Company)</b>	<b>Comments/ Description<sup>1</sup></b>
Amelia VR (SW, HM)	Determinate, red, 80 days, resistant to 1,2,3, 12
Sunshine (SW)	Determinate, red, 66 days, resistant to 1, 2,3,6,7
BHN444 (SW)	Determinate, red, 80 days, resistant to 1,2,3,12
BHN555 (SW)	Determinate, red, 72 days, resistant to 1,2,3,12
Sunchief (SW)	Determinate, red, 68 days, resistant to 1,2,3,6,7
BHN591 (SW)	Determinate, red, 71 days, resistant to 1,2,3,4
Florida 47 (SW)	Determinate, red, 75 days, resistant to 1,2,3,6,7
Sunguard (SW)	Determinate, red, 77 days, resistant to 1,2,3,6,7,9
Red Pride (SW)	Determinate, red, 75 days, resistant to 1,2,3,6,7
BHN 543 (SW)	Determinate, red, 72 days, resistant to 1,2,3,4
Navidad (SW)	Determinate, red grape, 65 days, resistant to 3
Tami G (SW)	Indeterminate, red grape tomato, 60 days
Mt. Spring (SW)	Determinate, red, 72 days, resistant to 1,2,3
Sunleaper (Rogers Brand)	Determinate, red, 75 days, resistant to 1,2,3
Mt. Fresh (SW)	Determinate, red, 78 days, resistant to 1,2, early blight tolerance.
BHN 641 (SW)	Determinate, tangerine color, 76 days, resistant to 1,2,3
Plum Crimson (HMX 2808) (HM)	Determinate, attractive crimson red plum tomato, high lycopene content, resistant to 1, 2, 3
Florida 91 (SW)	Determinate, red, resistant to 1,2,3,6,7

<sup>1</sup>1-Verticillium Wilt, 2-Fusarium Wilt R1, 3-Fusarium Wilt R2, 4-Nematode tolerant, 5-TMV tolerant, 6-Alternaria Stem Canker Tolerant, 7-Stemphylium Tolerant, 8-Bacterial Speck Tolerant, 9-Fusarium Wilt R3, 10-Late Blight, 11-Bacterial Leaf Spot, 12- Tomato Spotted Wilt Virus. Rogers Brand = Novartis, Seedway = SW, HM = Harris Moran

**Table 2. Results from soil test.**

PH	Buffer pH	P	K	Ca	Mg	Zn
6.18	6.79	84	348	3173	265	4.4

**Table 3. Prices used to calculate income for the tomato variety trial, Quicksand, Ky, 2003. Prices for No. 1 large, No. 1 small and No. 2 are farm gate prices received by Cumberland Farm Products Cooperative growers. For plum/roma and grape tomatoes, prices are based on those at the Atlanta terminal market, less 20% for grading, boxing, shipping and marketing.**

Week	Grade or type				
	No. 1 Large	No. 1 Small	No. 2	Plum/Roma	Grape
	\$/lb				
7/12	0.34	0.21	0.21	0.70	1.28
7/19	0.34	0.21	0.22	0.62	1.21
7/26	0.30	0.17	0.22	0.62	1.06
8/2	0.29	0.15	0.19	0.48	0.78
8/9	0.20	0.11	0.09	0.48	0.70
	0.12	0.09	0.08	0.48	0.86

**Table 4. 2003 Fresh market tomato early season yield, prior to 2 August.**

Cultivar	Jumbo & extra large (lbs)	A	Cull (lbs)	A	Total marketable yield (lbs) <sup>1</sup>	A	Income (\$)	B	Comments
Sunshine	24827	A	2269	A	26551	A	\$7,792	B	nice looking fruit, small plant, fruit exposed
Amelia	8919	B	791	A	9568	C	\$2,776	C	nice looking fruit
Sunchief	6651	BC	596	A	8064	CD	\$2,221	CD	green shoulders when breaker
BHN591	7001	BC	2554	A	7766	CDE	\$2,203	CD	
Sunguard	6884	BC	739	A	7117	CDE	\$2,069	CD	nice looking fruit
Sunleaper	6054	CD	1737	A	6819	CDE	\$1,955	CD	nice looking fruit, good plant
BHN641	5821	CD	1232	A	6314	DE	\$1,837	CD	tangerine colored fruit
Mt. Spring	6015	CD	972	A	6365	DE	\$1,825	CD	
Mt. Fresh	5367	CD	1634	A	6262	DE	\$1,727	CD	some green shoulders on mature green fruit
BHN555	4213	D	2269	A	5069	DEF	\$1,397	DE	ugly looking tomato all season long!
BHN444	4032	D	830	A	4732	EF	\$1,353	DEF	green shoulders, nice
BHN543	4174	D	2243	A	4771	EF	\$1,345	DEF	
Red Pride	1037	E	1997	A	1465	G	\$381	EF	green shoulders on mature green
Florida 47	1089	E	1647	A	1180	G	\$329	EF	some green shoulders on mature green
Florida 91	812	E	156	A	812	G	\$236	F	
Plum Crimson	39	E	65	A	2502	FG	\$1,207	DEF	very attractive plum tomato
Navidad	0	E	0	A	13257	B	\$11,131	A	grape tomato.
Tami G	0	E	0	A	9671	CDE	\$8,580	B	grape tomato.
Duncan-Waller									
LSD (5%)	2630		2638		3102		1,138		

<sup>1</sup> Includes all grades except culls.

**Table 5. 2003 Fresh Market Tomato Full Season Yield**

Cultivar	Jumbo & extra large (lbs)		Cull (lbs)		Total marketable yield (lbs) <sup>1</sup>	Income (\$)	Average fruit weight (oz.) <sup>1</sup>		Comments		
BHN444	63,914	A	17,904	BCD	72,833	A	\$9,025	DEF	11.1	CDE	nice fruit, has green shoulders when mature green
Sunguard	61,645	AB	8,219	EF	66,921	AB	\$9,386	DE	10.0	G	nice looking fruit
Mt Spring	57,198	ABC	9,088	EF	63,901	ABC	\$8,675	DEFG	10.6	EFG	
Mt. Fresh	56,991	ABC	12,057	DEF	65,210	ABC	\$9,836	DE	10.7	DEFG	some green shoulders on mature green fruit
BHN591	56,226	ABC	17,398	BCD	61,762	ABC	\$8,838	DEFG	10.1	FG	
Amelia	54,787	ABC	7,597	EF	59,208	ABCD	\$10,304	D	10.5	EFG	nice looking fruit
BHN543	54,255	ABC	20,121	B	61,334	ABCD	\$7,370	FGHI	10.5	EFG	
BHN641	54,009	ABC	18,681	BC	62,215	ABCD	\$8,164	EFGH	10.3	EFG	attractive tangerine colored fruit
Sunshine	53,815	ABC	6,638	F	61,386	ABCD	\$12,652	C	8.7	H	nice looking fruit, small plant, exposed fruit
Sunleaper	52,920	ABC	17,839	BCD	62,060	ABCD	\$8,238	EFGH	10.9	CDEF	nice looking fruit, good plant
Florida 91	52,181	ABC	10,229	EF	55,565	ABCD	\$5,993	I	11.7	BC	
Florida 47	50,587	ABC	13,107	CDE	59,713	BCD	\$6,980	GHI	13.9	A	some green shoulders on mature green fruit
Sunchief	48,875	BC	8,530	EF	52,648	BCD	\$8,611	DEFG	11.5	BCD	green shoulders at breaker
Red Pride	46,166	C	23,154	B	50,768	CD	\$7,004	GHI	11.1	CDE	green shouldered on mature green fruit
BHN555	42,938	C	40,915	A	54,346	D	\$6,266	HI	12.2	BC	an ugly looking tomato all summer long in this trial.
Plum Crimson	6,391		467	F	69,696		\$23,609	B	3.5	I	very pretty fruit, nice red color
Navidad	0	D	0	F	50,768		\$31,283	A	0.42	J	attractive small red fruit, more uniform than Tami
Tami G	0	D	0	F	34,226		\$22,004	B	0.33	J	attractive small red fruit, size variability, sometimes slow to ripen on stem end, very large plant
Duncan-Waller											
LSD (5%)	14,368		6,027		10,915		2,015		0.8		

<sup>1</sup> Includes all grades except culls.