

Evaluation of Greenhouse Tomatoes
Spring and Fall Crops 1960
Columbus 10, Ohio

by

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Spring Crop 1960

All varieties and lines were replicated 3 times with the exception of Purdue 91 and 110 which were single plots of 7 plants. Plot size - single row of 7 plants spaced 3' x 22". Seed for this trial was sown November 24, 1959, transplanted to 3" peat pots on December 4 and set in ground beds on January 12, 1960. Harvest period from April 11 to June 29, 1960. See Table 1.

Fall Crop 1960

Varieties and lines replicated 4, 3, and 2 times were seeded June 13, transplanted to 3" peat pots on June 21 and set in ground beds on July 31, 1960; harvest period from October 7, 1960 to January 7, 1961. Michigan State lines were seeded July 15, transplanted July 23, and set in ground beds on August 20, 1960; harvest period from November 10, 1960 to January 7, 1961. All spacing 3' x 22" in single row plots of 7 plants. This crop was removed early to permit re-laying of steam tile. See Table 2.

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PERFORMANCE OF GREENHOUSE TOMATOES

SPRING CROP 1960

Table 1.

Variety	Yield Per Plant				Crop Total	Grades			Aug. Fruit Size Size Range	Remarks	
	No. 1 Grade To					Percentages of					
	4/30	5/15	5/31	6/29		1's	2's	Culls			
LBS.	LBS.	LBS.	LBS.	LBS.	%	%	%	LBS.			
WR 7 (Sels)	1.1	3.1	5.1	8.0	10.8	74.1	-	25.9	.412	M-L-S	
Purdue 91	-	0.7	4.1	7.9	8.0	98.8	-	1.2	.415	M-L-S	Leaf Mold resist
H3Cl-2-5	1.0	2.4	4.8	7.7	9.3	82.8	-	17.2	.413	M-L-M	
Globe St. A	0.8	2.4	4.0	7.3	9.8	74.5	-	25.5	.392	L-M-S	
Mo. 390 Hyb.	1.4	2.7	4.7	7.2	9.5	75.8	2.1	21.9	.332	UNIF.	
Purdue 110	0.3	1.3	3.1	7.2	8.5	84.7	-	15.3	.362	L-M-S	Leaf Mold Resist
H3Cl-1-8 (Red)	0.9	2.4	4.2	6.9	9.5	72.6	0.2	27.2	.394	L_M	
Mo. 389 Hyb.	1.6	2.6	4.3	6.9	11.6	56.9	3.2	42.2	.337	S-L-S	
WR-3	0.9	2.6	4.2	6.5	9.3	69.9	0.3	29.8	.359	L-M-S	
WR-7	0.8	2.3	3.9	6.4	8.3	77.1	0.1	22.8	.403	M-L-M	
WR 3-1	0.5	2.1	3.6	5.9	9.2	64.1	0.3	35.6	.365	M-L-M	
Globe St. A 1-5	1.1	2.6	3.0	5.2	7.9	65.8	0.6	33.7	.343	L-M-S	
WR-7 (Orange)	0.5	1.9	3.9	8.6	10.5	81.9	1.0	17.1	.367	L-M-S	

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PERFORMANCE OF GREENHOUSE TOMATOES

FALL CROP 1960

Table 2.

Variety	Yield Per Plant				Crop Total LBS.	Grades			Aug. Size		Remarks
	No. 1 Grade To					Percentages of			Fruit Size Range	LBS.	
	11/15	11/30	12/15	1/7		1's	2's	Culls			
<u>LBS.</u>	<u>LBS.</u>	<u>LBS.</u>	<u>LBS.</u>	<u>LBS.</u>	<u>%</u>	<u>%</u>	<u>%</u>	<u>LBS.</u>			
4-Replications											
Ohio Hyb. 0	0.4	1.8	3.5	4.8	9.3	52.3	3.2	44.5	.265	M-M-S	Leaf Mold Resist
WR-3	1.9	3.3	4.3	4.8	7.8	62.1	3.9	33.7	.207	M-L-S	
Ohio Hyb. 1	0.2	1.1	2.9	4.6	8.5	54.5	3.1	42.4	.261	M-L-M	Leaf Mold Resist
WR-7	1.1	2.5	3.7	4.3	6.8	62.8	3.0	34.2	.242	M-L-S	BER 0,7%
3-Replications											
H3C1-2-5	0.6	1.5	3.1	4.1	8.3	49.4	1.5	49.1	.285	M-L-M	
Globe St. A	0.4	1.1	2.5	3.6	7.8	45.9	4.0	50.1	.236	M-L-M	BER 0.9%
2-Replications											
Purdue-110	0.3	1.1	2.7	4.4	8.4	53.0	3.1	43.9	.253	S-M-L	Leaf Mold Resist
Mo. 390 Hyb.	1.4	2.8	3.9	4.4	8.9	49.7	5.7	44.6	.196	L-M-S	BER 0.3%
H3C1-1-8	1.3	2.3	3.4	4.4	9.6	46.0	0.4	53.6	.298	M-M-S	Red
Mo. 389 Hyb.	1.3	2.9	3.6	4.2	10.61	39.9	8.5	51.6	.177	L-M-S	
Purdue-91	0.5	1.3	2.6	3.9	6.74	57.4	2.6	40.0	.246	M-L-M	Leaf Mold Resist
Globe A 1-5	0.2	1.1	2.5	3.7	7.1	51.9	6.0	42.1	.230	L-M-S	
1-Replications											
Mich GR 8-1	0.2	0.7	2.0	2.5	8.4	30.2	0.3	69.5	.282	UNIF.	RED
Mich MR 35-0-2	-	0.6	1.4	2.5	8.3	30.5	2.4	67.1	.256	S-M-S	Promise Pink
Mich NWR 3-3B	0.2	0.8	1.8	2.3	8.1	27.9	2.6	69.5	.250	L-S-M	Promise Pink
" MR-33-24	0.3	0.7	1.5	1.8	6.5	27.8	1.7	70.5	.239	S-L-S	Pink
" MF-17A	0.3	0.5	1.3	1.5	5.6	26.4	7.5	66.1	.216	S-L-S	BER 1.7% Red
" UF-10	-	0.4	0.8	1.3	8.5	15.8	1.0	83.2	.279	M-L-S	BER 1.1% Pink

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BIBB LETTUCE STRAINS
SPRING 1960

Designation	Crop*	MARKETABLE			Culls		Total		Avg. Wt.
		No.	Wt.	lbs./100 sq. ft.	No.	Wt.	No.	Wt.	
Ohio P-3-1	1st	353	115.67	50.75	10	2.01	363	117.68	.324
	2nd	364	74.91		4	.39	368	75.30	.205
Ohio H3S	1st	345	114.78	50.07	21	6.97	366	121.75	.333
	2nd	351	73.25		17	2.35	368	75.60	.205
Ohio Pl-1	1st	346	113.46	49.32	22	5.06	368	118.52	.322
	2nd	356	71.76		11	1.27	367	73.03	.199
Harris 1367	1st	356	101.57	43.09	13	2.41	369	103.98	.282
	2nd	351	60.26		17	1.03	368	61.29	.166

SUMMARY NOTES

	Maturity	General Uniformity	Tip Burn	
			Lower	Wrapper
Harris 1367	2	3	3.5	1.5
Ohio H3S	3.5	4	1.5	1.0
Ohio P-3-1	4.5	5	1.5	0.0
Ohio Pl-1	3.5	5	3.0	0.7

*1st Crop planted Jan. 22 harvested March 23 (61 days); 2nd Crop planted March 28 harvested April 27 (30 days).

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State Project 80

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