

Days Maximum Cavity Temp VS maximum air temp. March - Sept 15, 2019.

Unit Type	# days MAX temp below air Max temp	# days MAX temp < 1 degree above air max temp	# days MAX temp 1-3 degrees above air max temp	# days MAX temp 3-4 degrees above air max temp	# days MAX temp 4-5 degrees above air max temp	# days MAX temp > 5 degrees above air temp
ChirpyNest 1	94 of 107 (88%)	9 of 107 (9%)	4 of 107 (4%)			
ChirpyNest 1 w/ shade June/ July/sept	76 of 76 days (100%)					
ChirpyNest 2	111 of 140 (79%)	24 of 140 (17%)	5 of 140 (4%)			
ChirpyNest 2 vent taped / April	12 of 30. (40%)	8 of 30 (27%)	8 of 30 (27%)	2 of 30 (6%)		
THG LID vented April	8 Of 32 days (25%)	0 Of 32 days	11 Of 32 days (35%)	5 of 32 days (16%)	3 of 32 days (10%)	5 of 32 days (16%)
THG lid & rear vent May	11 of 31 days (36%)	10 of 31 days (33%)	10 of 31 days (33%)			
THG REAR VENT June (Center Probe CP)	8 of 30 days (27%)	8 of 32 days (27%)	12 of 30 days (40%)	2 of 30 days. (7%)		
THG no vent -Probe in neck- July 7/7-7/31	0 Of 25 days	2 of 25 days (8%)	2 of 25 days (8%)	4 of 25 days. (16%)	7 of 25 days. (28%)	10 of 25 days (40%)
THG rear Vent Probe in neck. AUG 1 - sept 15	11 of 46 days (24%)	9 of 46 days (20%)	11 of 46 days (24%)	8 of 46 days (17%)	5 of 46 days (11%)	2 of 46 days (4%)
Vertical Supergourd no vent	41 of 124 (33%)	22 of 124 (18%)	53 of 124 (43%)	8 Of 124 (6%)		
NON-vented THG	13 of 130 (10%)	12 of 130 (9%)	52 of 130 (40%)	20 of 130 (15.5%)	20 of 130 (15.5%)	13 of 130 (10%)
Combined Data Plastic Gourds vs ChirpyNest (excludes vent taped ChirpyNest data, since this is only for reference)						
ChirpyNest 2 units	281 of 323 days (87%)	33 of 323 days (10.3%)	9 of 323 days (2.8%)			
3 Plastic Gourds. 2 THG / 1 VerticalTroyer	92 of 418 days. (22%)	63 of 418 days (15.1%)	151 of 418 days (36.2%)	47 of 418 days (11.3%)	35 of 418 days (8.4%)	30 of 418 days (7.2%)

97% of days the Maximum interior temperature ChirpyNest cavity is within 1 degree or less than the maximum air temperature. Compared to 37% for plastic gourds

63% of the days, the maximum interior temperature of troyer Plastic gourds were 1 degree or more (7% of days, over 5 degree) than the maximum air temperature for that day. The interior temperature most often spikes with the sun hitting the gourd and remains throughout the day. See sheet 2

Days Maximum Cavity Temp VS maximum air temp. May 1 - July 31

Unit Type	# days MAX temp below air Max temp	# days MAX temp < 1 degree above air max temp	# days MAX temp 1-3 degrees above air max temp	# days MAX temp 3-4 degrees above air max temp	# days MAX temp 4-5 degrees above air max temp	# days MAX temp > 5 degrees above air temp
ChirpyNest 2 CP	69 of 92 Days (75%)	19 of 92 Days. (21%)	4 of 92 Days. (5%)			
Vertical Supergourd no vent CP	14 of 78 Days. (18%)	15 of 78 Days. (20%)	42 of 78 Days. (54%)	7 of 78 Days. (9%)		
NON-vented THG CP	5 of 78 Days (10%)	10 of 78 Days. (13%)	26 of 78 Days (34%)	12 of 78 Days (16%)	14 of 78 Days (18%)	11 of 78 Days. (15%)

5 % of days ChirpyNest max daily temp (MDT) was over 1 degree from air max daily temp. (MDT)
 63% of days vertical supergourd MDT was over 1 degree from air MDT.
 81% of days Troyer Horizontal gourd MDT was over 1 degree from air MDT.
 48% of days Troyer Horizontal gourd MDT was over 3 degrees from air MDT.