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FYTOCELL MEDIA TRIALS **FLAVORITE- WARRAGUL 2007/08 - 1000 BAGS**

Introduction

For the 2007/08 growing season, the trialling of Fyto cell grow bags was scaled up with 1000 bags placed alongside the standard media of Grodan slabs, using the standard variety, Tresco. Also in test were a number of new varieties also growing on the Grodan slabs.

Observations

The temperature in the media was 1° Celsius higher in Fyto cell.

The tomato roots are more evenly spread through the media on Fyto cell, whereas Grodan is more around the outside of the slab, showing improved media volume utilization.

The yield increase of 6% on the Grodan growing regime was significant and came from an increase in average fruit size.

The yield was always in front, but really accelerated away in the last 4 weeks of the crop.

2008/2009 PLANTING OF 5500 Bags of FYTOCELL

Observations to 28/8/2008

This has been the first opportunity for Flavorite to manage Fyto cell as the primary media without compromising for the Grodan slabs.

The results thus far have been interesting:

- It takes longer to reach 15% drainage in the morning, indicating more air space for fine root development.
- The Fyto cell grow bags empty out more overnight.
- Ec and pH movement is more rapid.
- Average fruit size is larger.

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CUMULATIVE YIELD

	FYTOCELL	CAPRICIA	7540	WESTLAND	VANZO	TRESCO	DIRK	SUPERNOVA	CLERMONT	IDOLL	BIZARR
	1467	1459	1455	1451	1447	1443	1439	1435	1431	1427	1423
1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	1.54	0.92	0.97	0.74	1.04	1.82	1.51	2.13	1.56	1.53	1.87
3	3.25	2.19	2.32	2.03	2.32	3.11	2.63	3.47	2.86	2.88	3.31
4	5.13	3.62	4.19	3.74	4.23	4.84	4.34	4.83	4.26	4.63	4.86
5	6.65	5	5.62	4.97	5.52	6.39	5.57	6.47	5.79	6.09	6.18
6	8.15	6.51	7.45	6.78	7.22	7.88	7.09	7.55	7.39	7.63	7.78
7	10.29	8.14	9.45	8.62	9.07	9.67	8.51	10.02	9.16	9.01	10.23
8	12.25	9.51	11.3	10.73	10.6	11.37	10.13	11.27	10.84	10.74	11.91
9	14.01	10.64	12.87	12.46	12.27	13.04	11.5	12.86	12.46	11.93	13.48
10	16.25	12.29	14.84	14.71	14.23	14.88	13.3	14.77	14.6	14.38	15.74
11	17.85	14.01	16.42	16.48	15.94	16.55	15.06	16.43	16.39	15.79	17.78
12	19.04	15.44	17.86	18.09	17.57	17.75	16.45	17.95	18.13	17.54	19.39
13	20.9	17.59	19.51	20.05	19.63	19.72	18.55	19.9	20.16	19.86	21.36
14	22.53	19.23	21.23	21.9	21.44	21.44	20.12	21.66	22.02	21.91	23.23
15	24.03	20.51	23.03	23.53	23.05	22.8	21.87	23.17	23.9	23.56	24.83
16	25.9	22.27	24.82	25.3	25.08	24.59	24.13	25.3	25.91	25.43	26.73
17	28.34	24.19	27.09	27.46	27.34	26.8	25.86	27.27	28.63	28.27	29.16
18	29.87	25.79	28.59	29.55	29.32	28.44	27.65	28.9	30.35	30.18	30.92
19	31.71	27.68	30.32	31.28	31.28	30.69	29.4	30.83	32.35	31.96	32.48
20	33.76	29.55	32.26	33.39	33.02	32.73	31.09	32.46	34.17	33.5	34.41

21	35.45	31.29	34.23	34.93	35.15	34.2	33.09	33.92	36.47	35.86	36.27	21
22	36.74	32.43	35.41	36.37	36.24	35.62	34.29	34.94	38.27	37.26	37.42	22
23	38.02	33.62	36.67	37.71	37.3	37.01	35.2	36.03	39.64	38.71	38.73	23
24	39.29	34.58	38.05	39.46	38.53	37.97	36.66	37.55	41.31	39.9	39.56	24
25	40.34	35.69	39.24	40.55	39.93	39.55	37.56	38.97	42.5	41.29	40.41	25
26	40.95	37.43	40.12	42.5	41.92	41.17	39.38	41.14	44.62	43.2	42.15	26
27	43.08	39.1	41.45	44.02	43.75	43.03	40.78	42.68	46.37	45.32	44.17	27
28	44.8	40.9	43.17	45.93	45.21	44.27	42.13	44.52	47.41	46.78	45.35	28
29	45.82	41.68	44.53	47.21	46.35	45.29	43.3	46	48.8	48.52	46.37	29
30	46.99	42.8	45.96	48.55	47.62	46.52	44.65	47.1	50.5	50.04	47.77	30
31	48.33	43.99	46.77	49.89	48.85	47.48	45.75	47.81	51.61	51.18	49.05	31
32	49.68	45.13	48.37	51.36	49.97	48.68	46.96	49.21	52.89	52.62	50.35	32
33	51.47	46.65	49.84	52.9	51.74	50.3	48.26	50.58	54.8	54.14	51.86	33
34	52.82	47.95	50.78	54.36	53.18	51.24	49.17	51.73	56.03	55.36	53.09	34
35	53.72	48.74	51.58	55.03	54	52.1	49.83	52.52	56.89	56.26	53.82	35
36	54.41	49.37	52.32	55.78	54.92	52.77	50.55	53.18	57.55	57.08	54.57	36
37	57.07	51.57	54.13	57.6	56.61	54.4	52.46	55.22	59.44	58.82	56.66	37
38	57.91	53.18	55.33	60.04	58.22	54.94	53.89	55.72	62	61.51	58.94	38

FYTOCELL	CAPRICIA	7540	WESTLAND	LEVANZO	TRESCO	DIRK	SUPERNOVA	CLERMONT	IDOLL	BIZARR
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cv. Tresco
+6% yield increase
en Croatan program

Croatan media