

Research Report



PC21b
Tomatoes: Trial of varieties for
long season production -
updated results to end of season

Working
for
Growers

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**HORTICULTURE RESEARCH INTERNATIONAL
EFFORD**

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SUPPLEMENT TO CONTRACT REPORT

**Tomatoes: The trial of varieties
for long season production**

Updated results to the end of the season

HDC PC21b

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AUTHENTICATION

I declare that this work was done under my supervision according to the procedures described herein and that this report represents a true and accurate record of the results obtained.

Signature *Margaret A. Scott*

Margaret A Scott
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Date *23/12/92*

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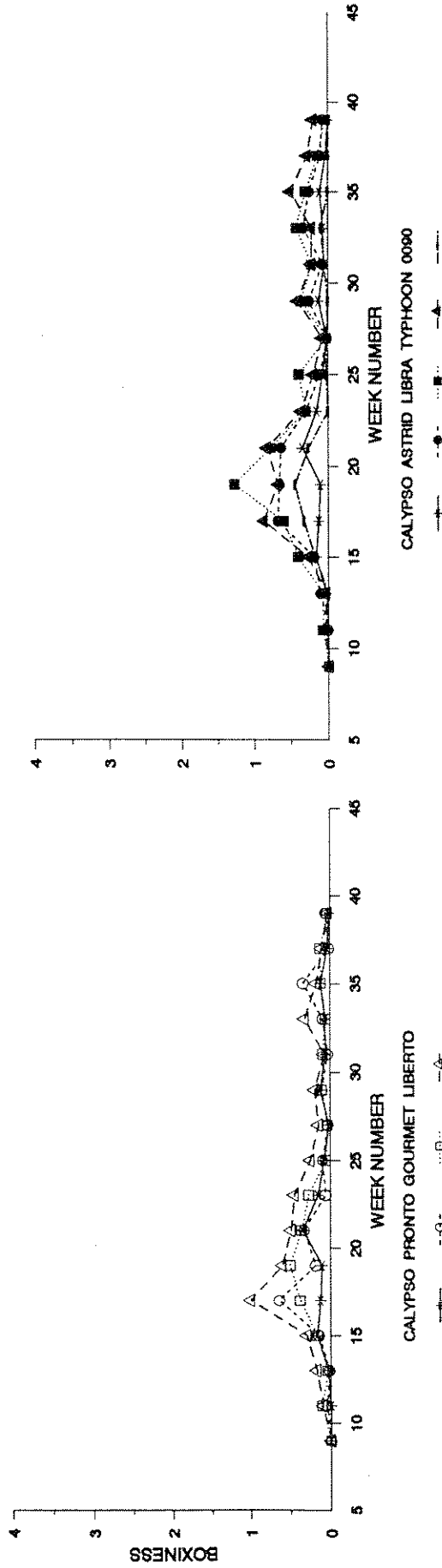
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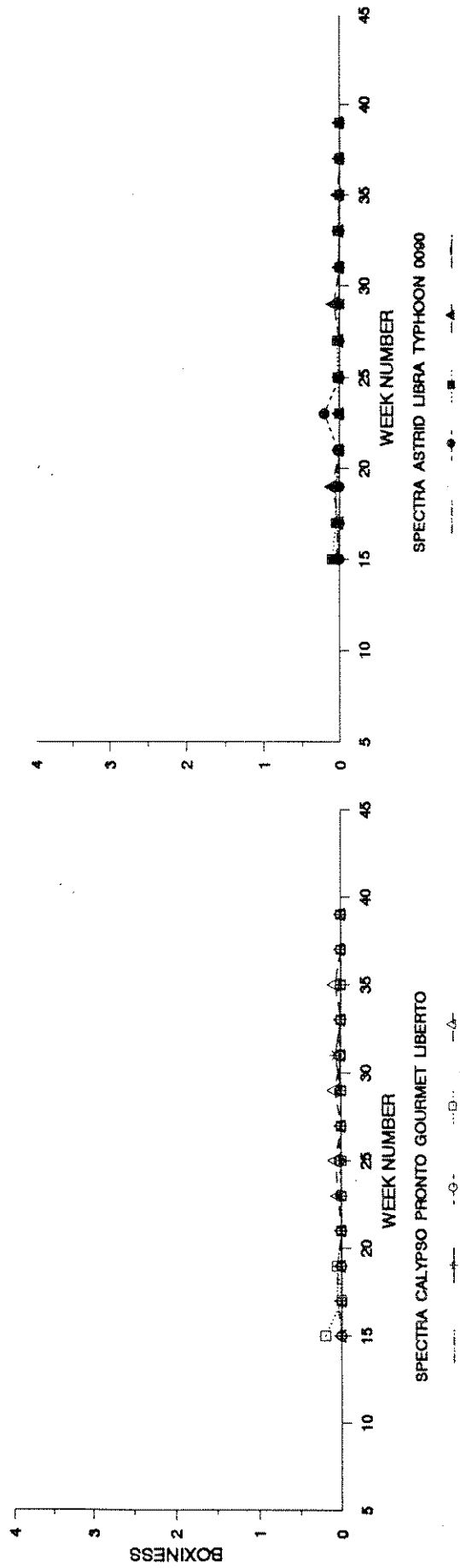
4.2.1 Disorder Assessments

The disorder assessment results are presented graphically as fortnightly mean scores for each variety across the 4 Southern sites (Efford, VHB, Arreton Valley and J Hall) and across the 2 Northern sites (Stockbridge House and North West Growers).

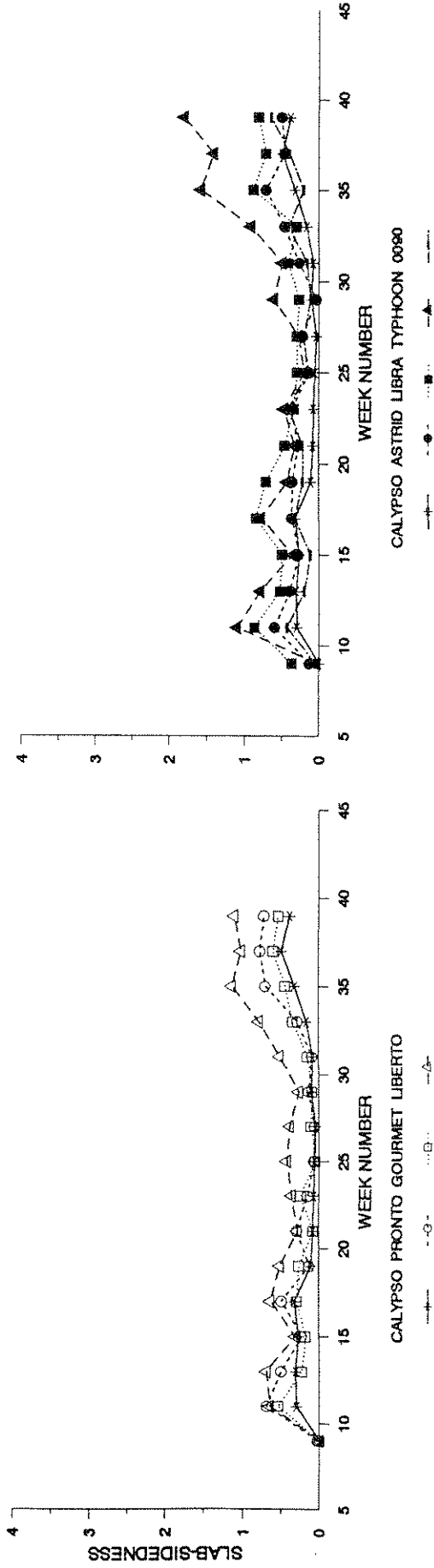
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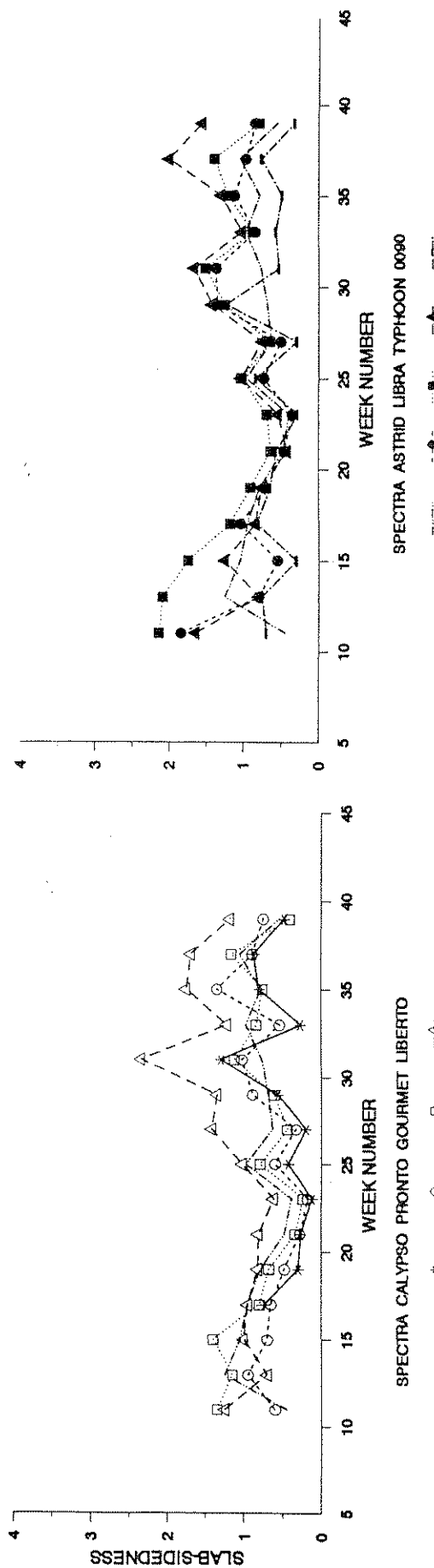
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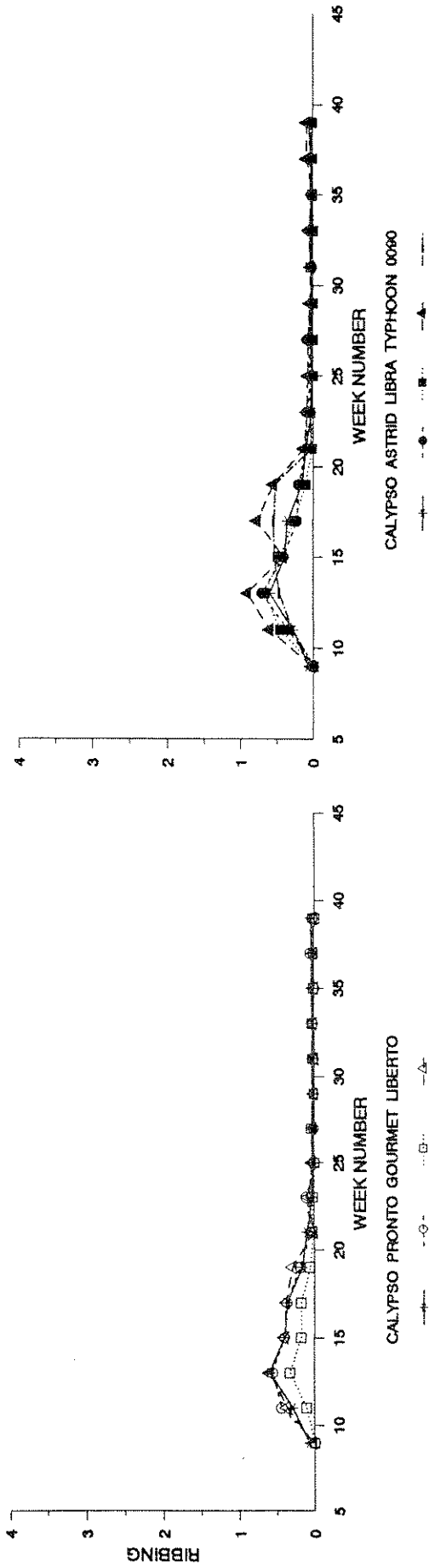
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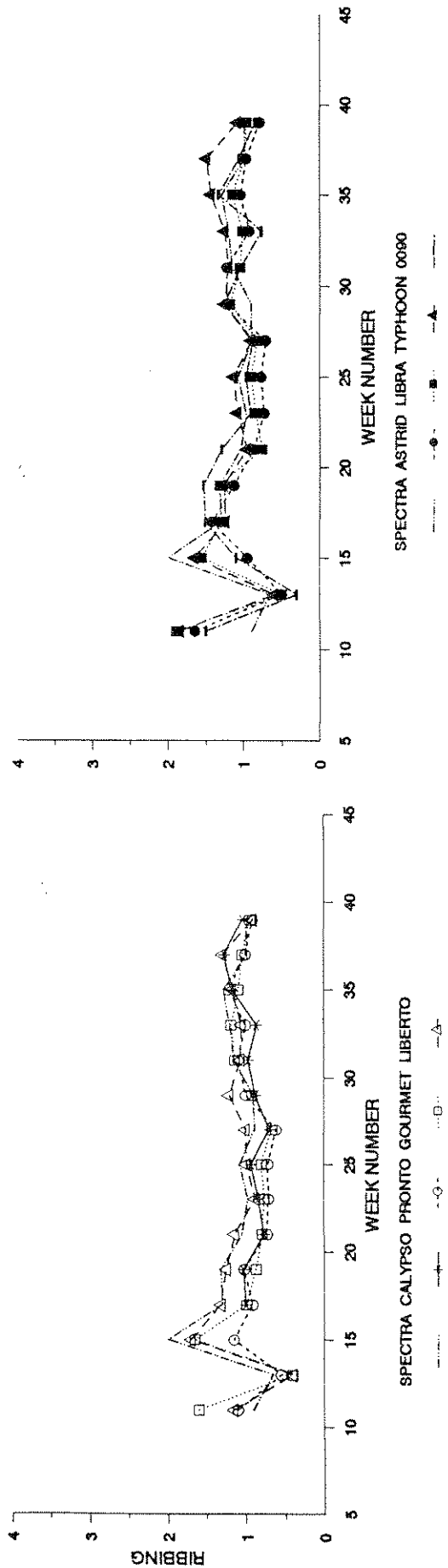
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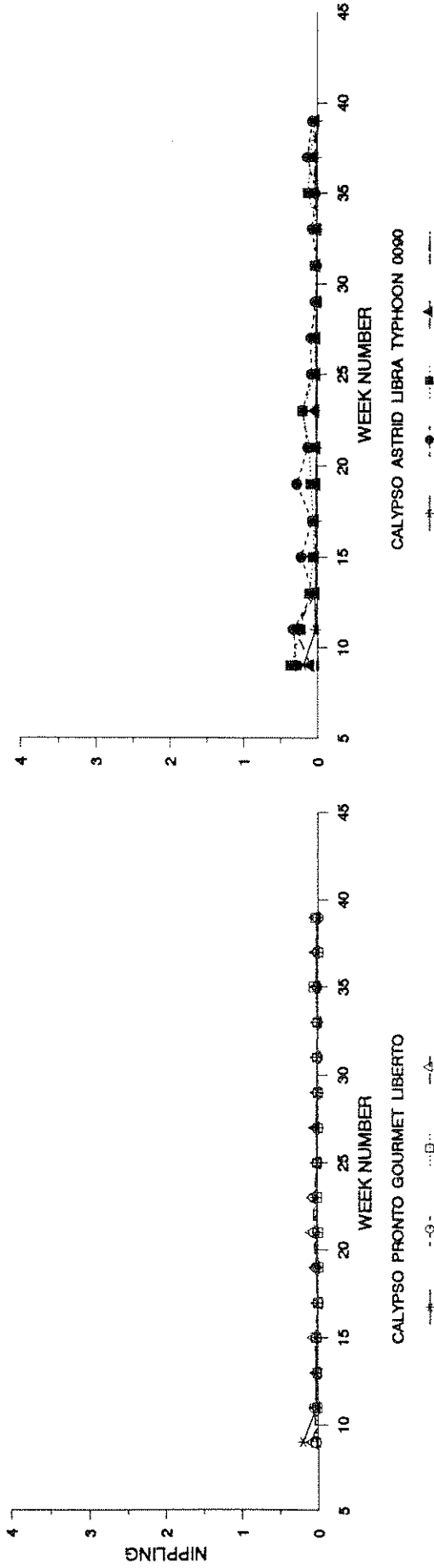
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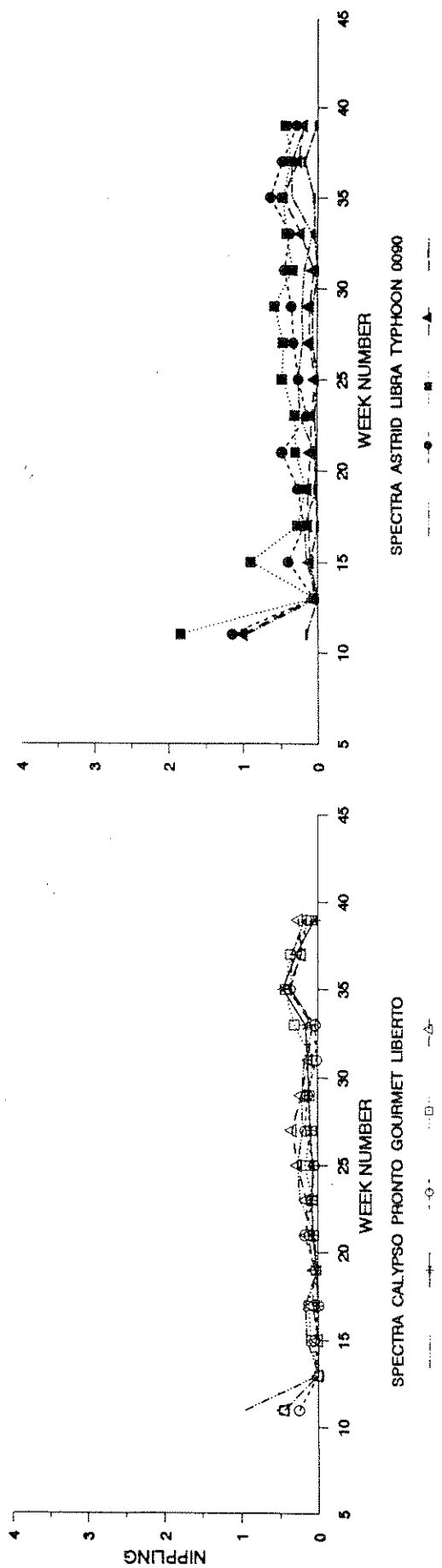
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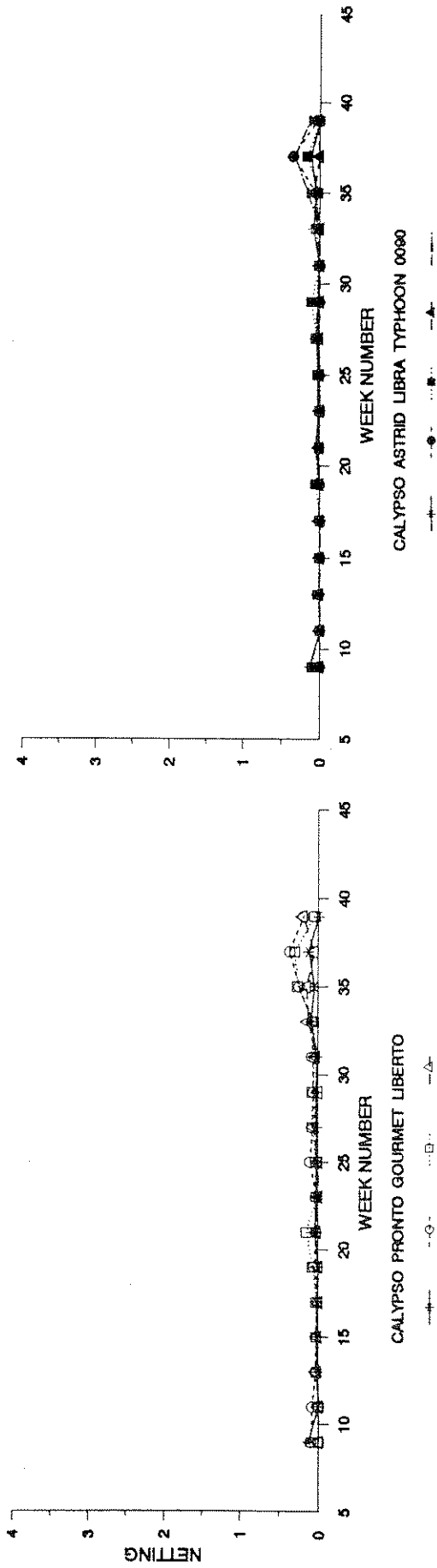
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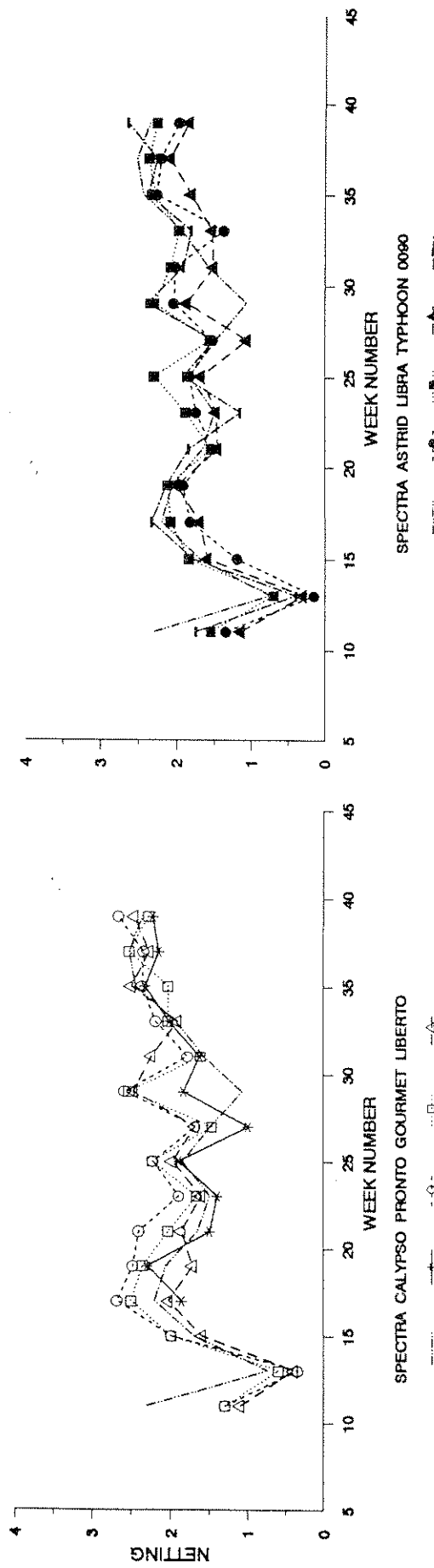
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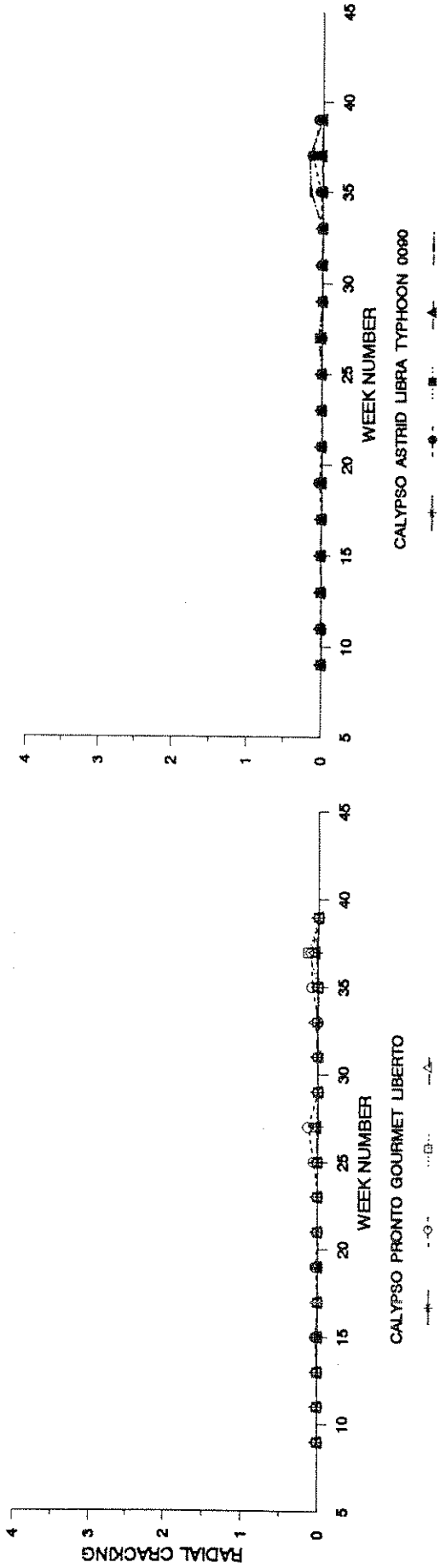
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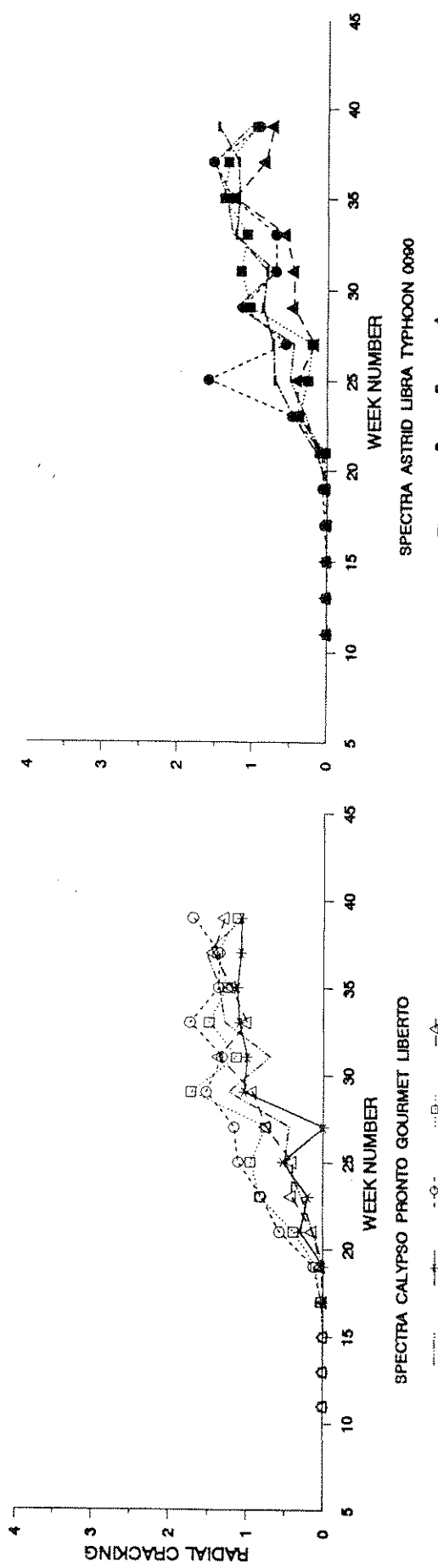
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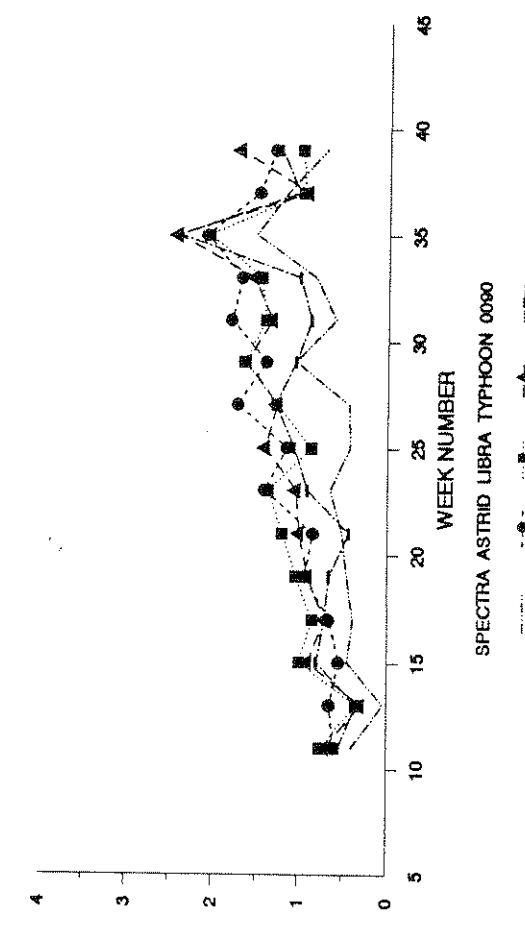
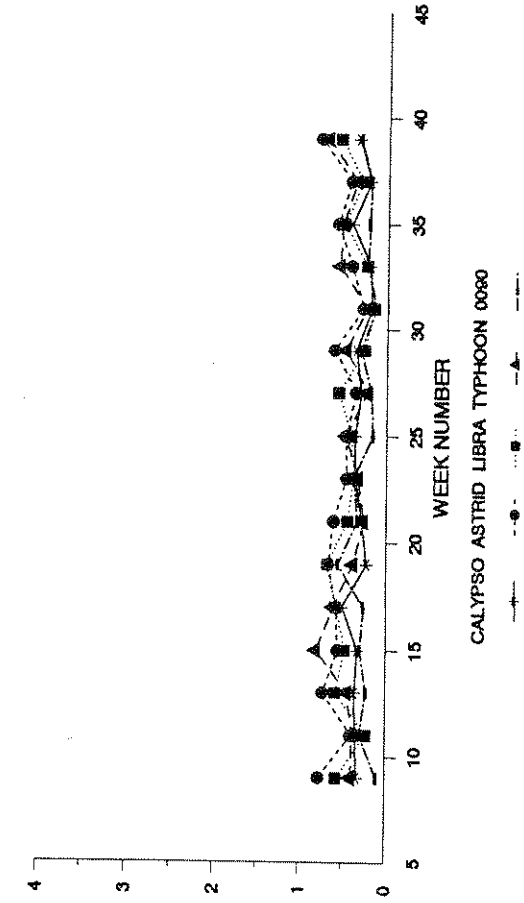
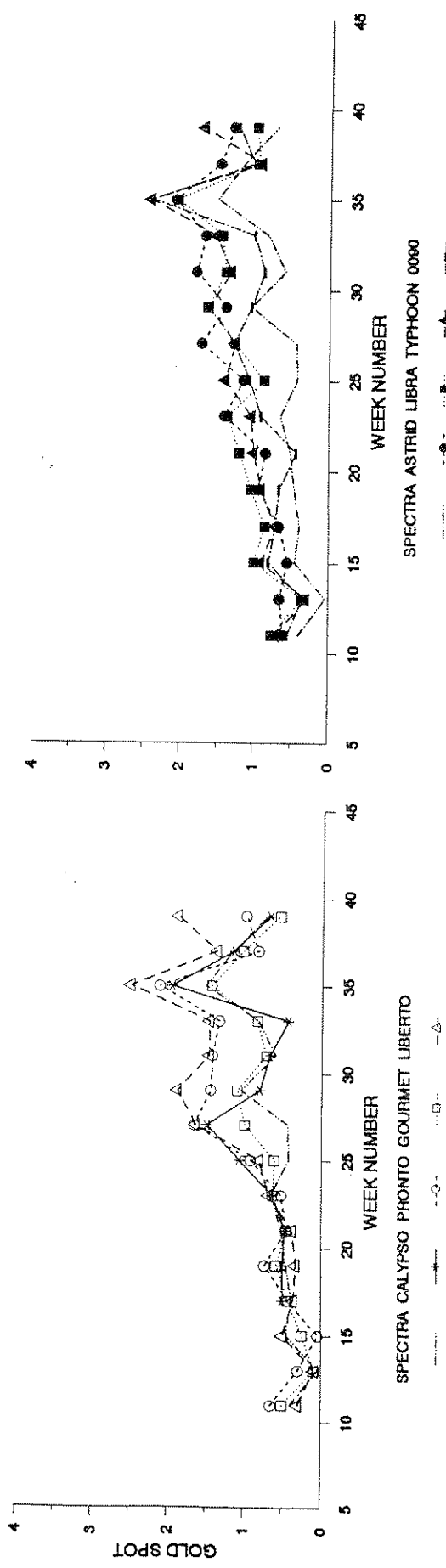
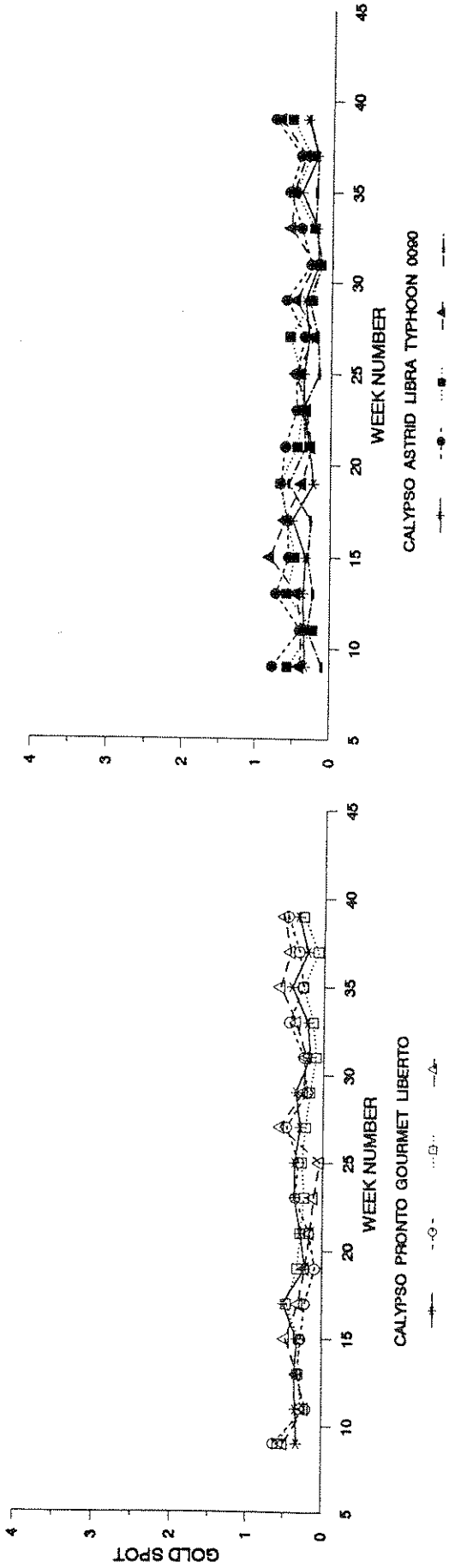
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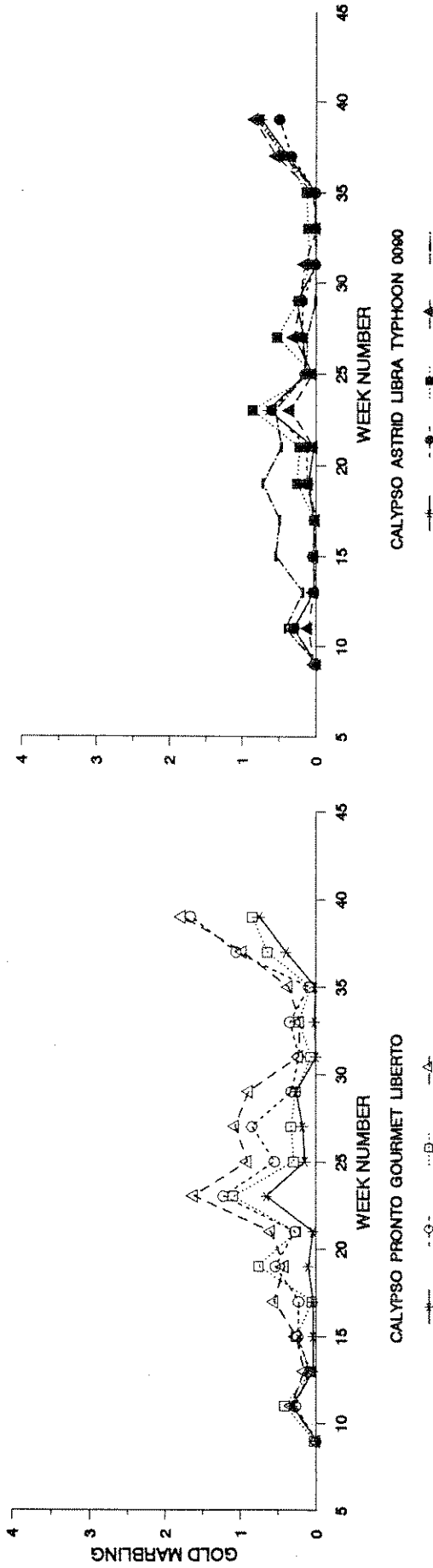
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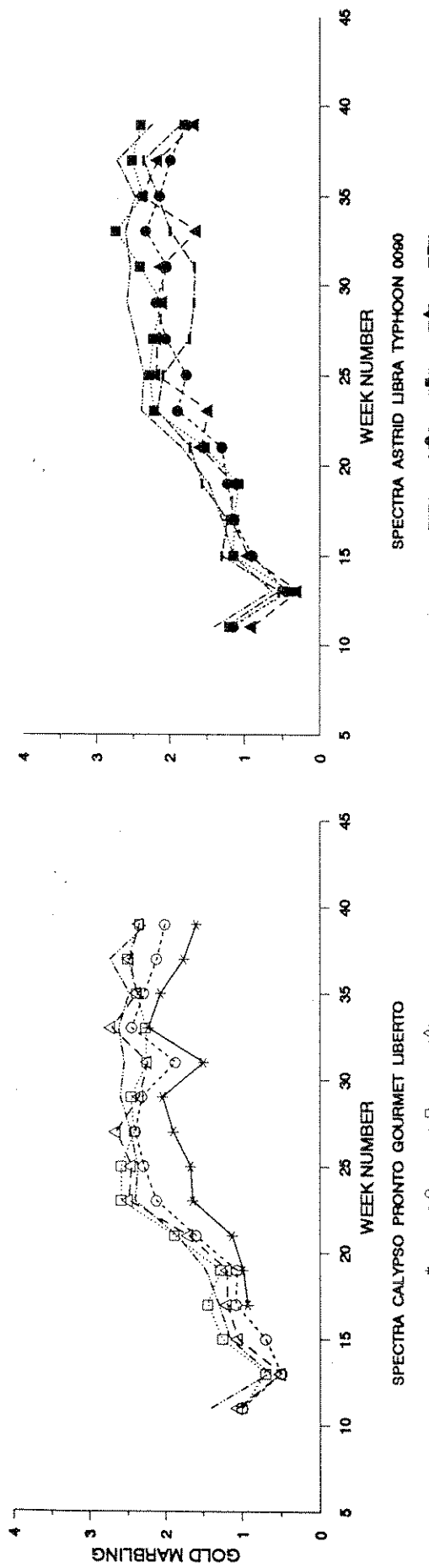
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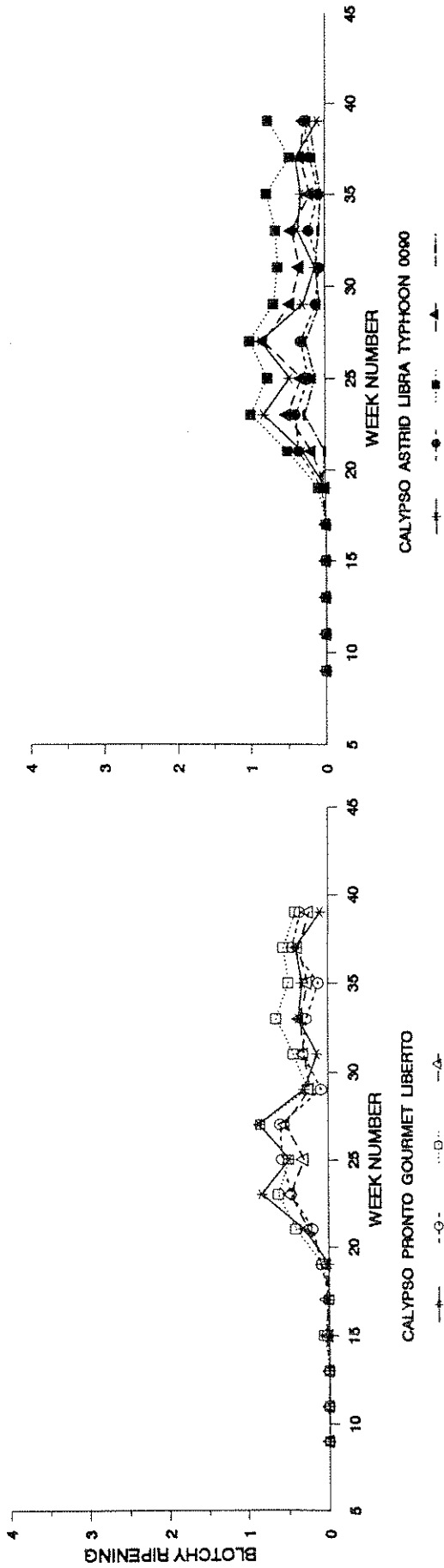
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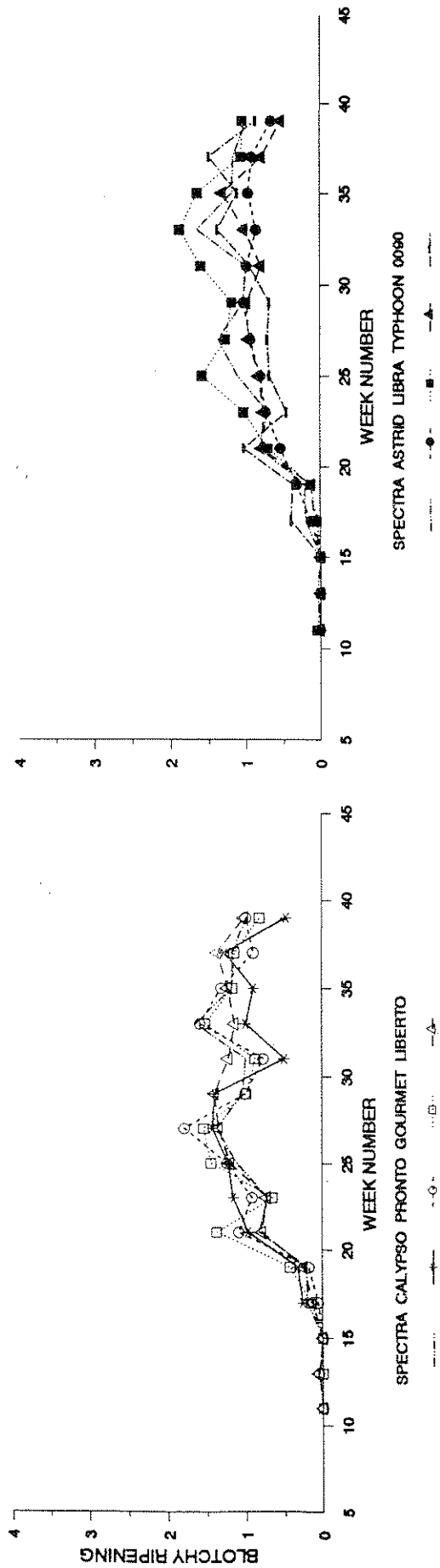
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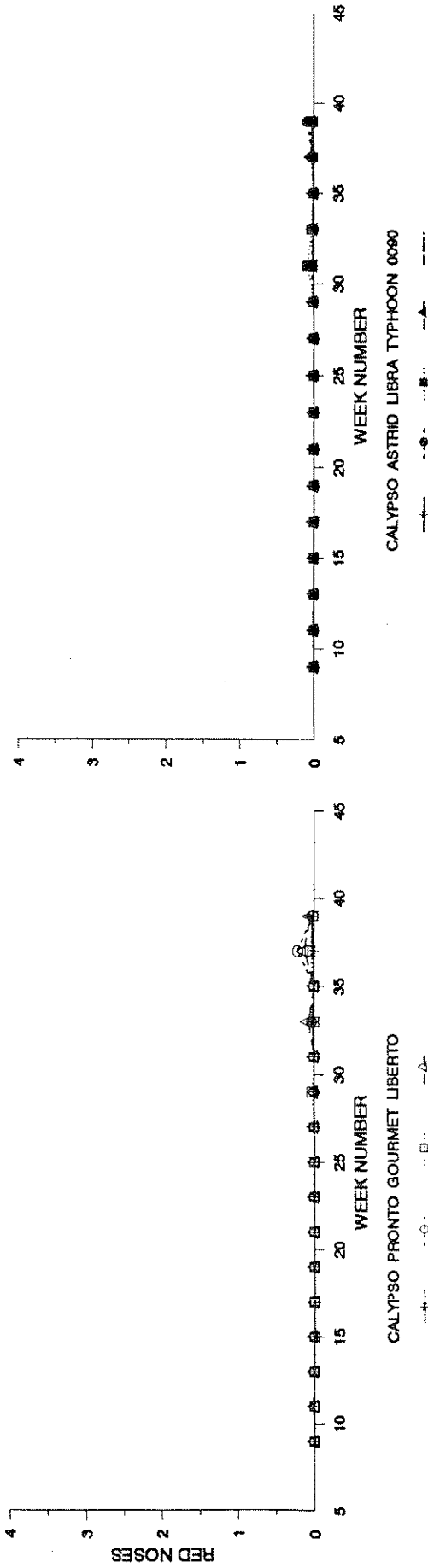
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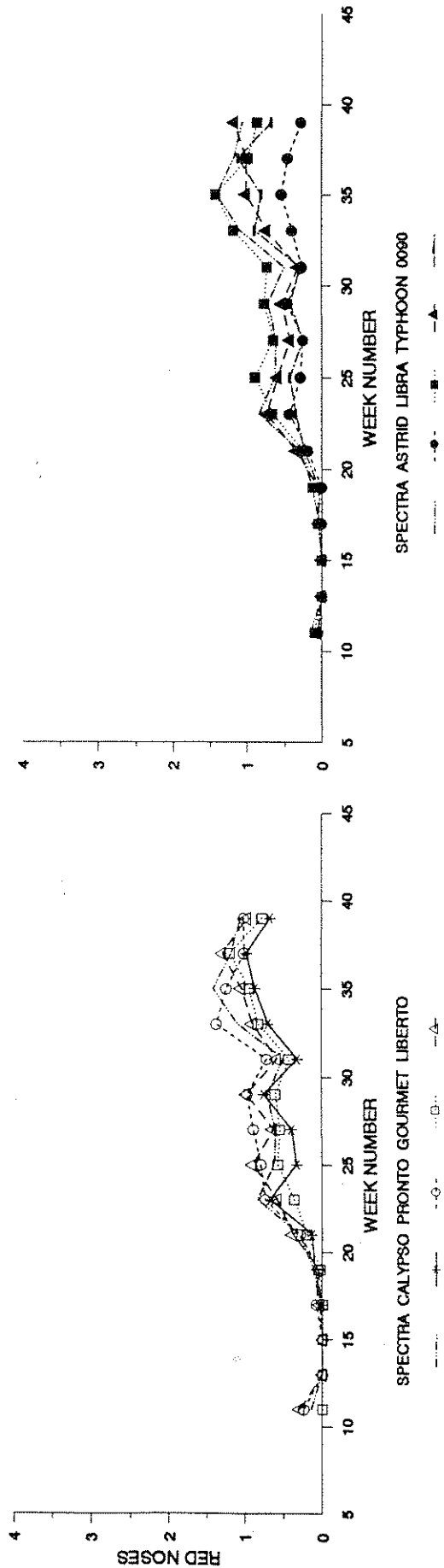
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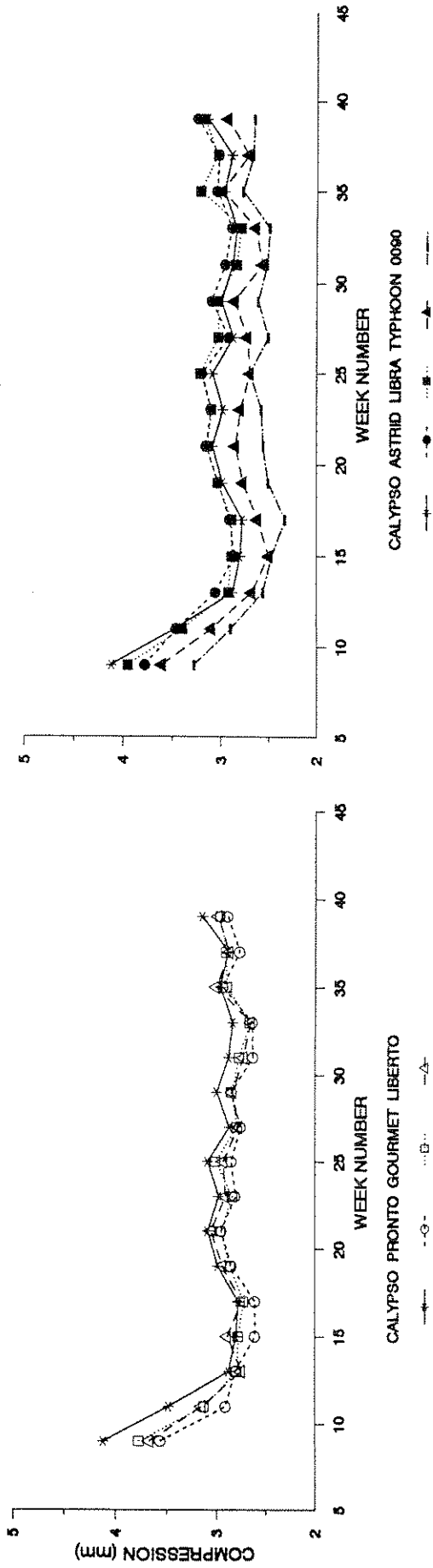
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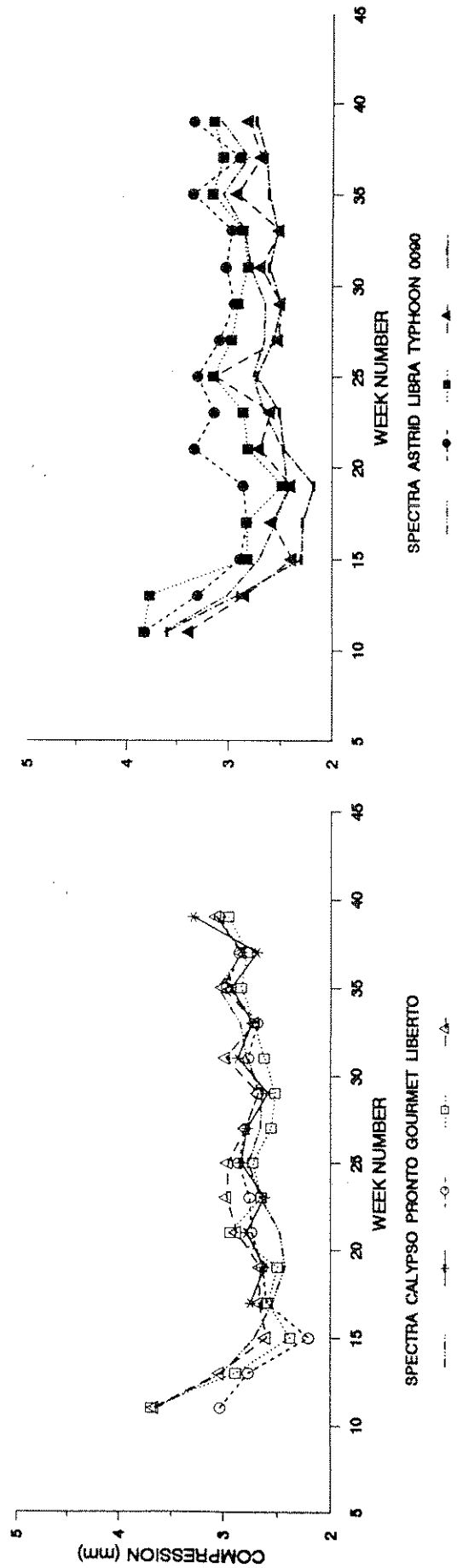
4.2.2 Shelf life assessments and chemical composition

Fortnightly mean values across Southern and Northern sites are presented for compression, percentage weight loss, percentage soluble solids, endpoint pH and percentage dry matter.

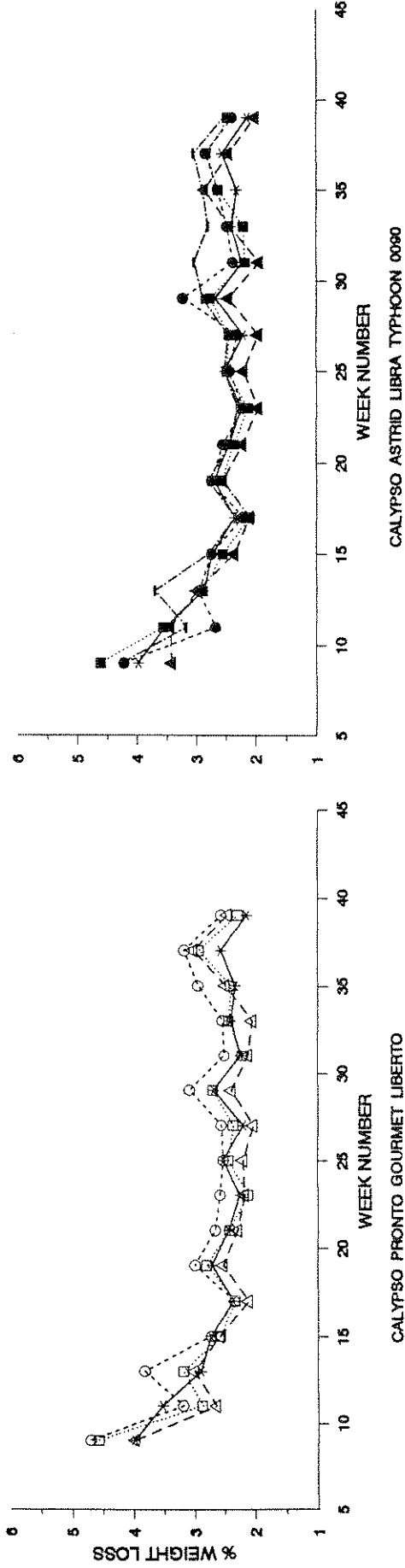
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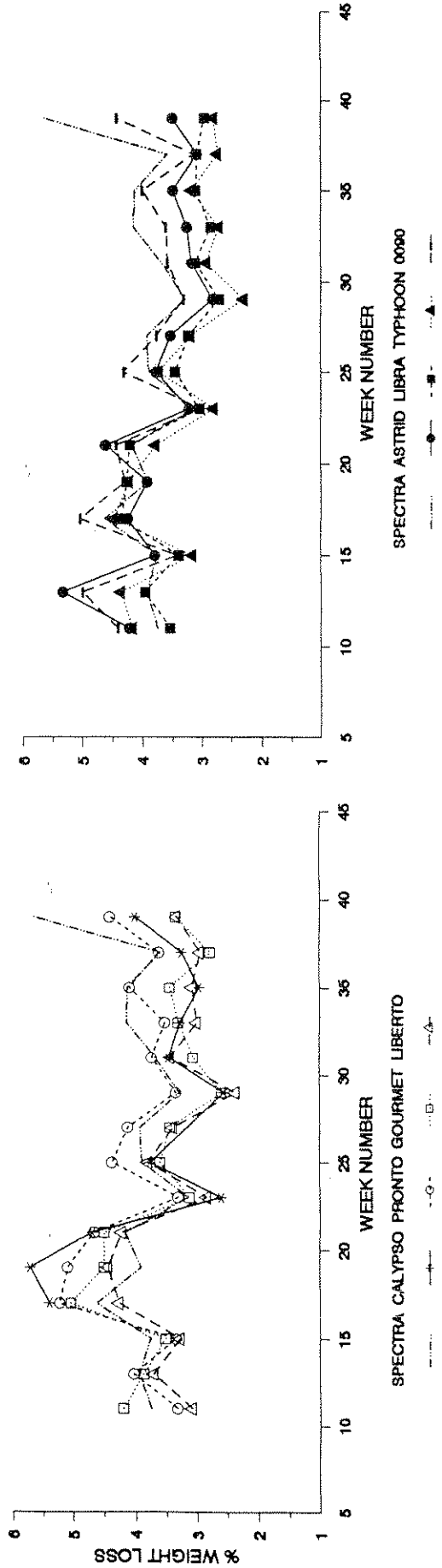
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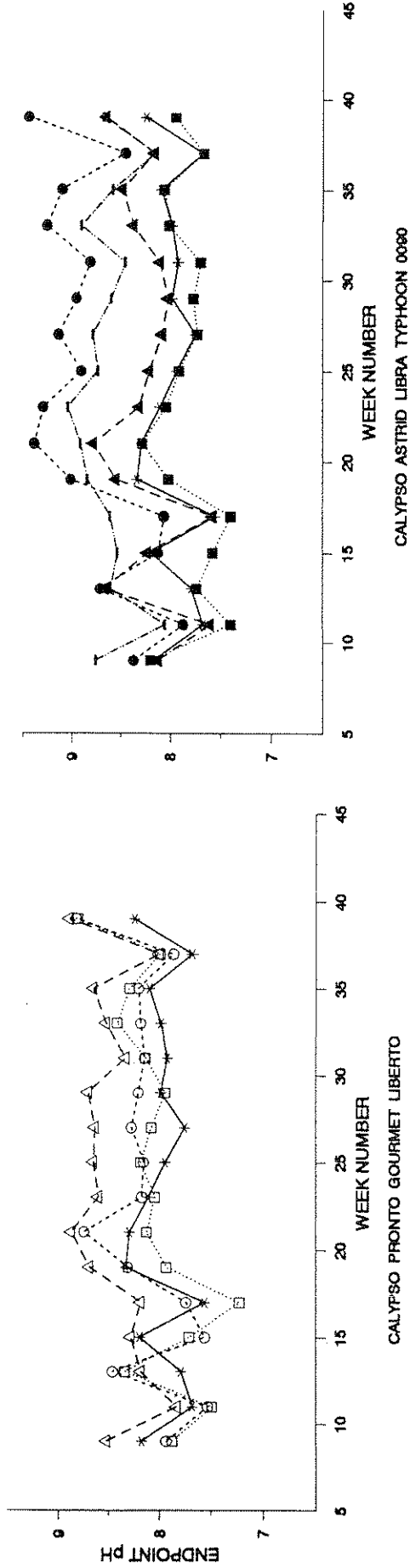
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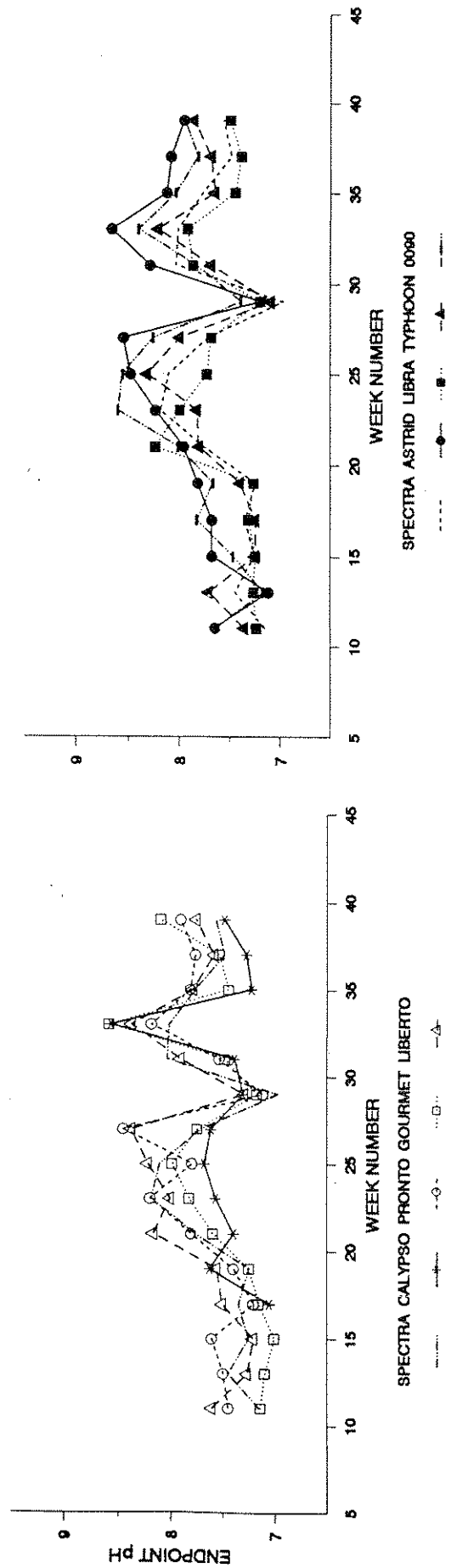
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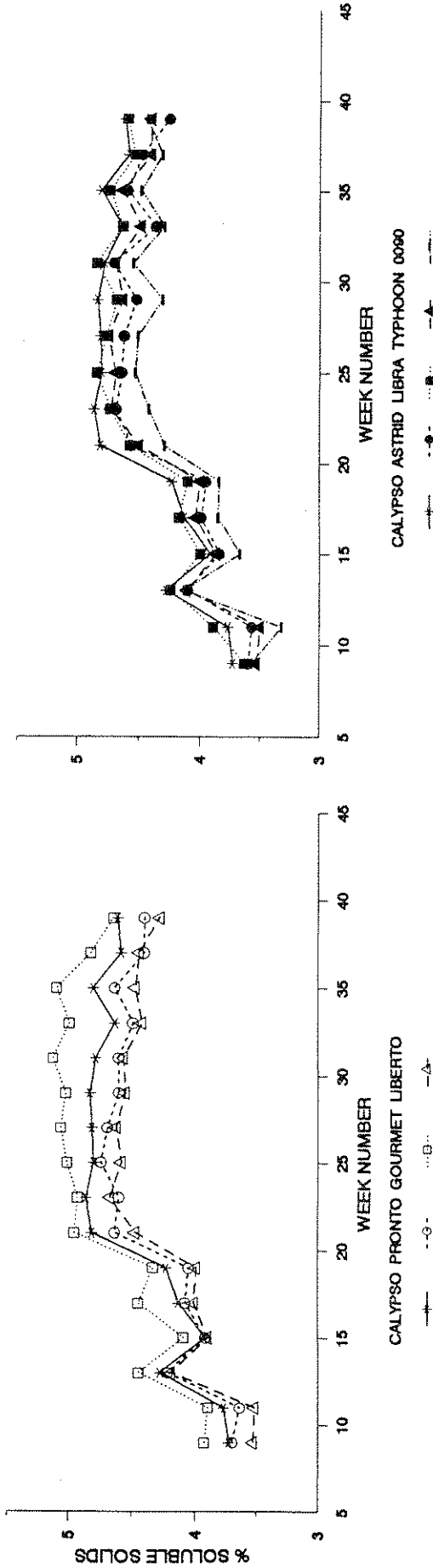
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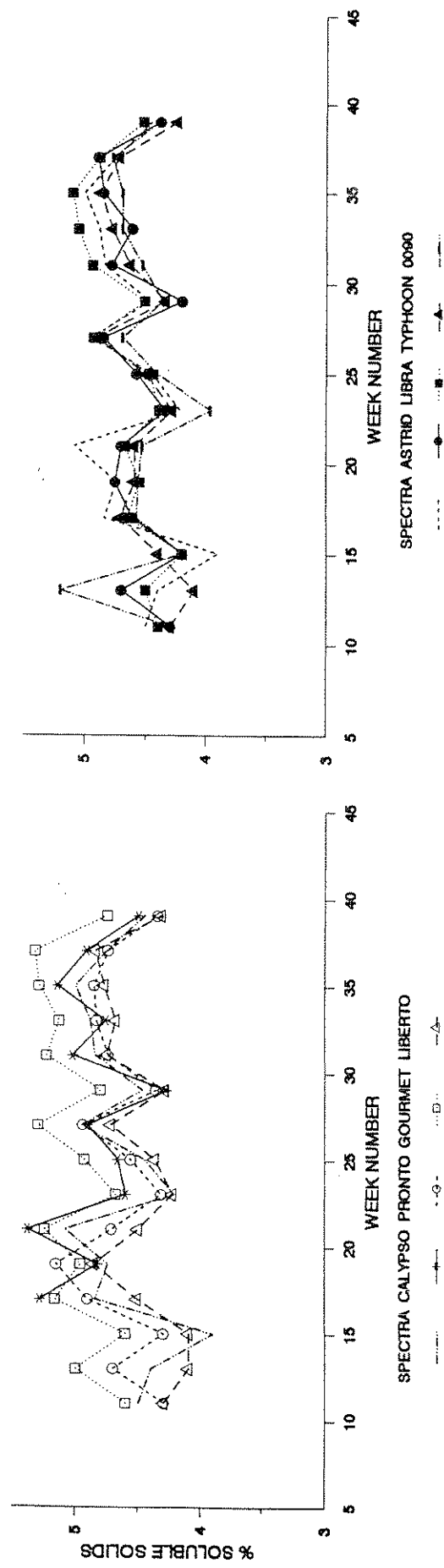
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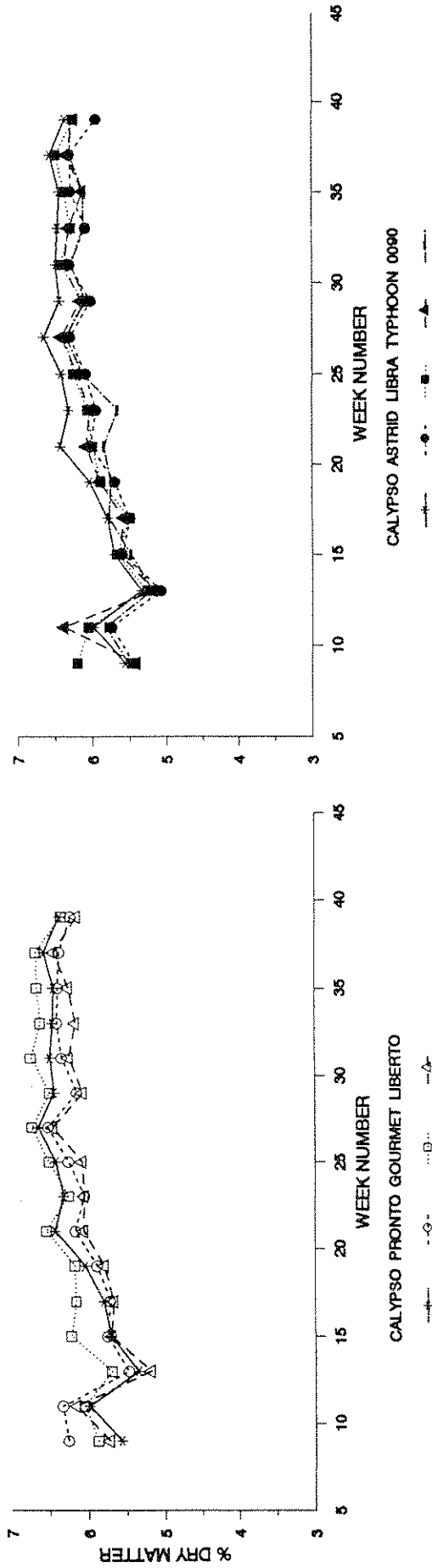
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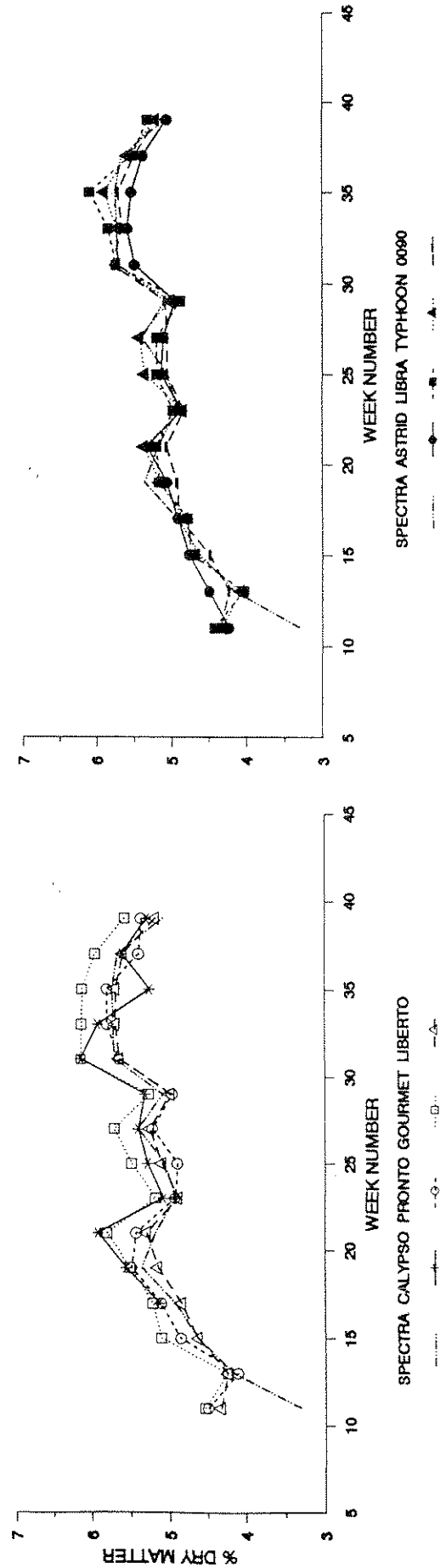
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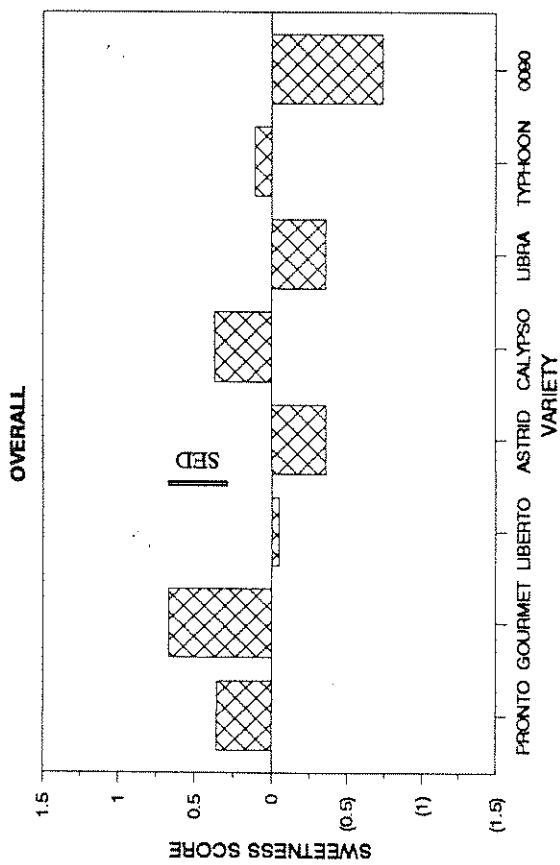
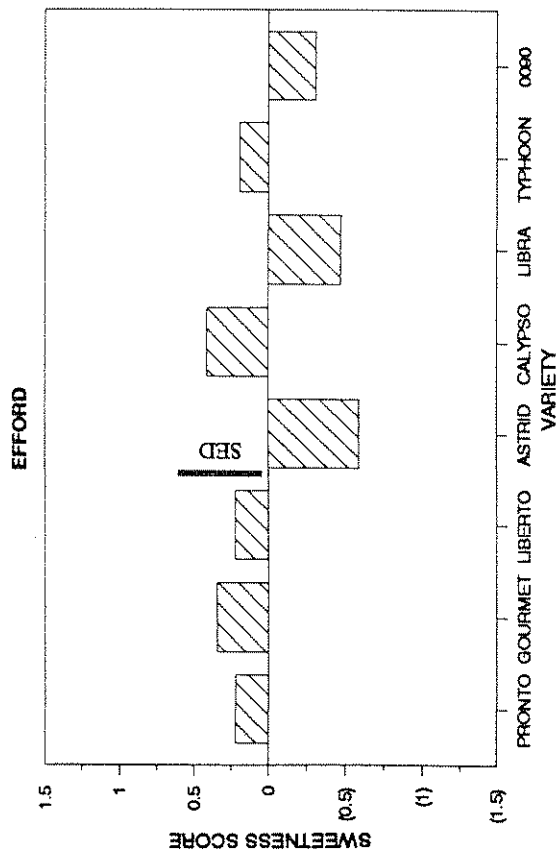
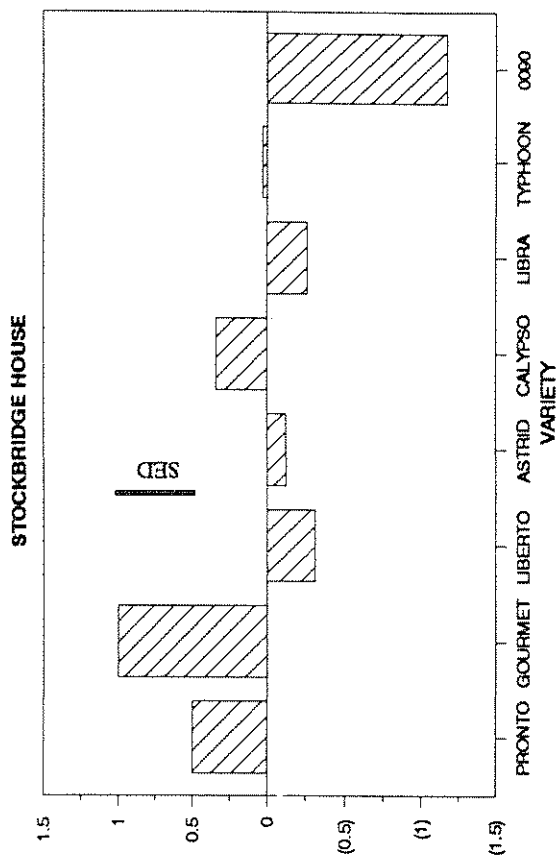


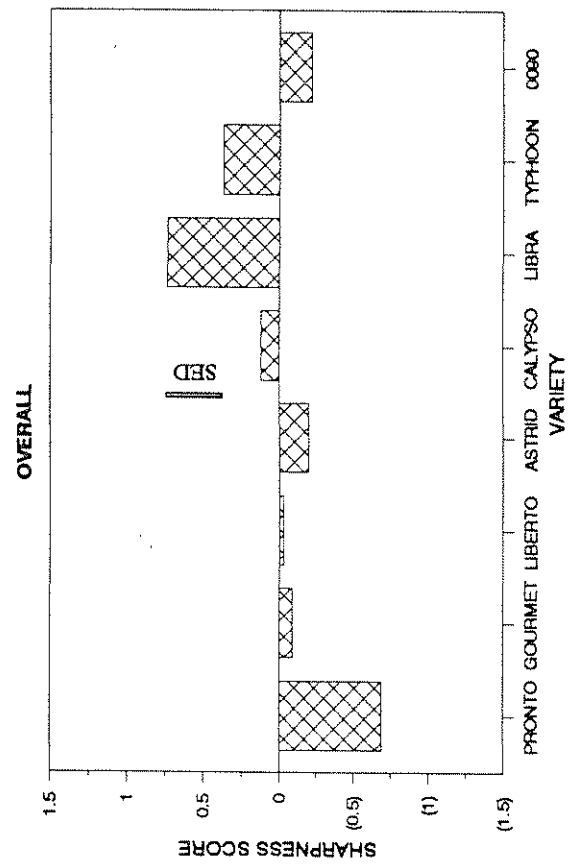
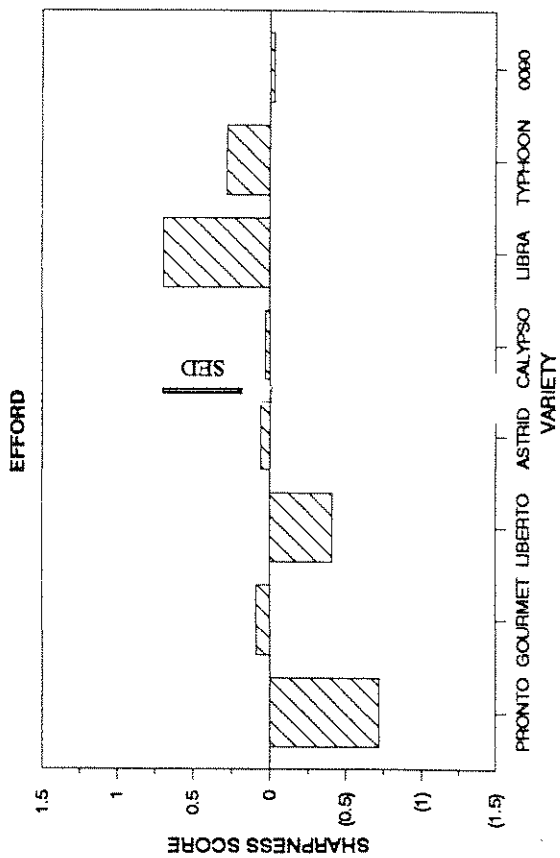
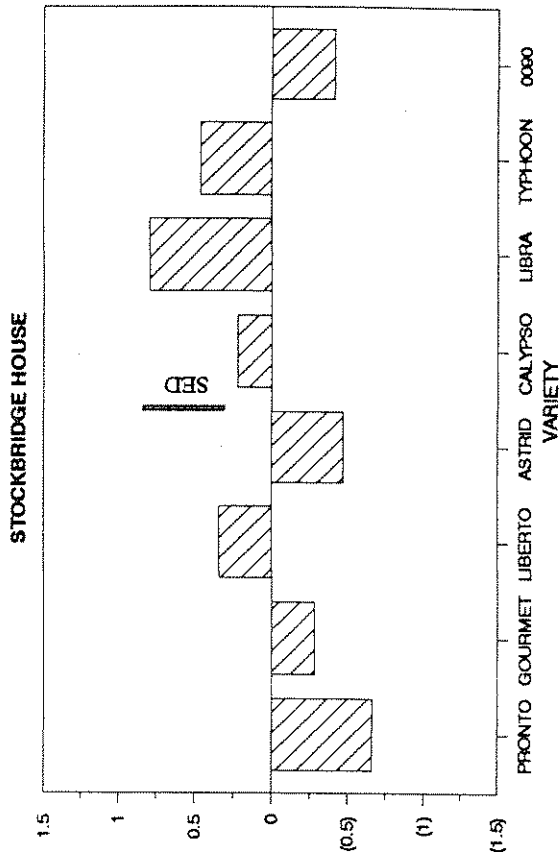
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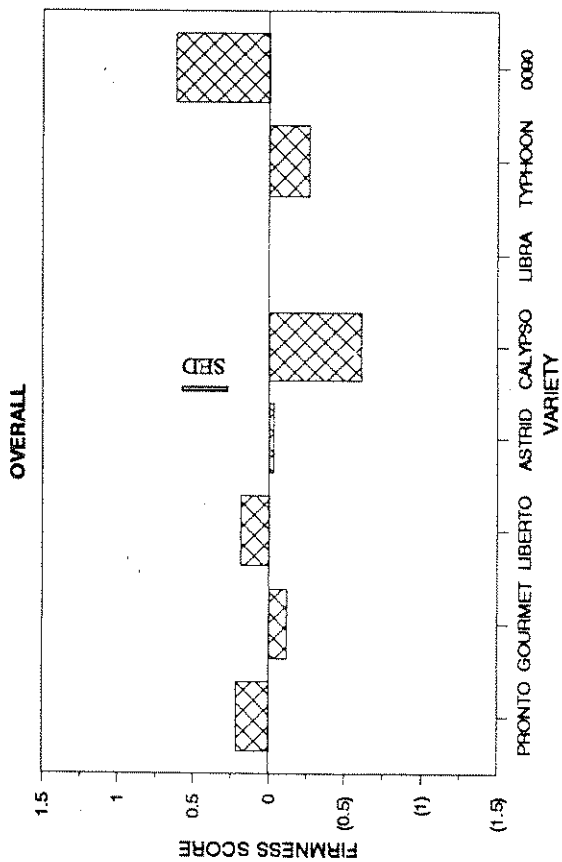
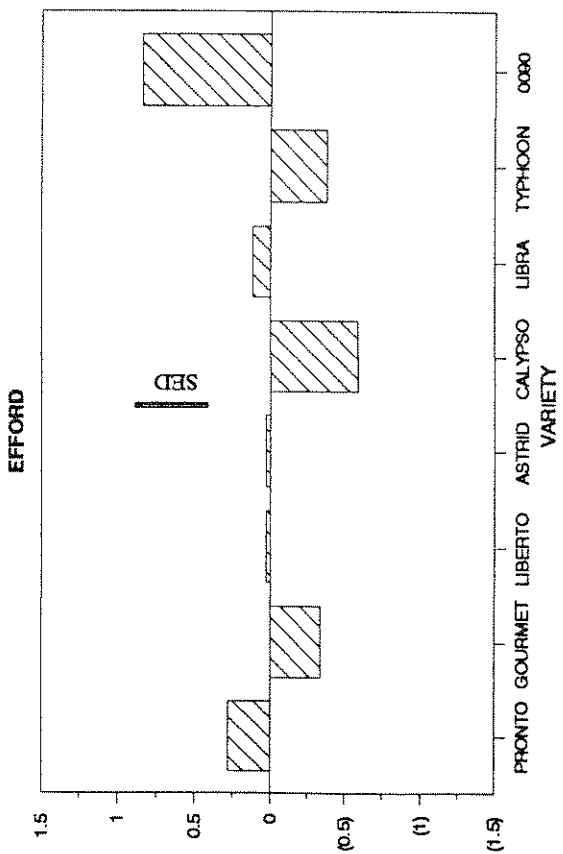
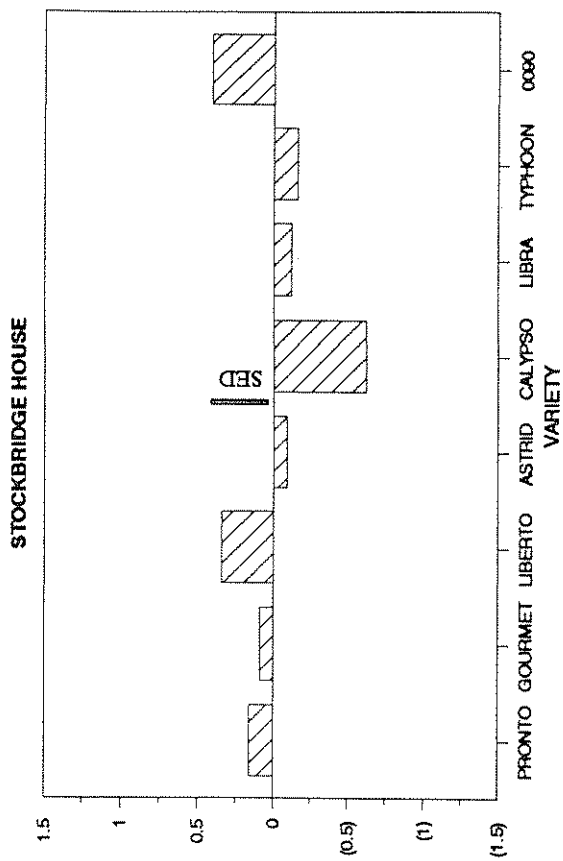


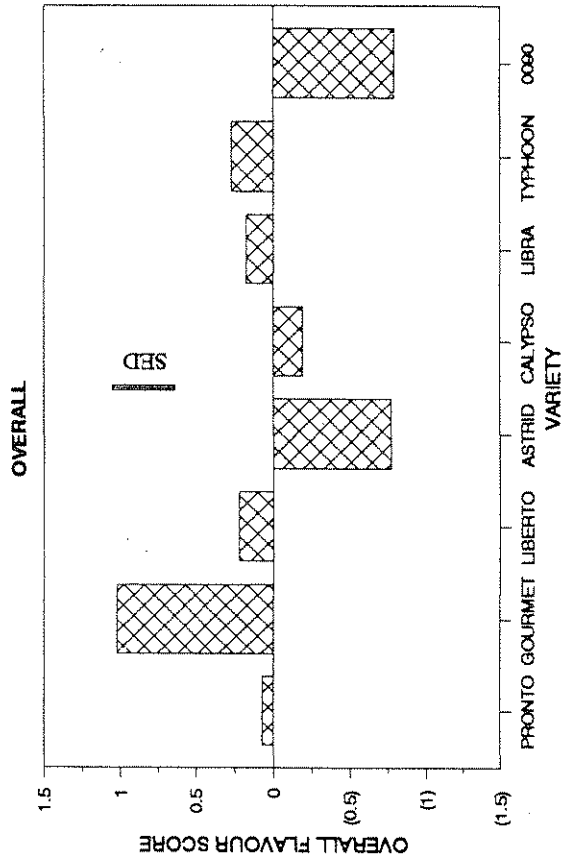
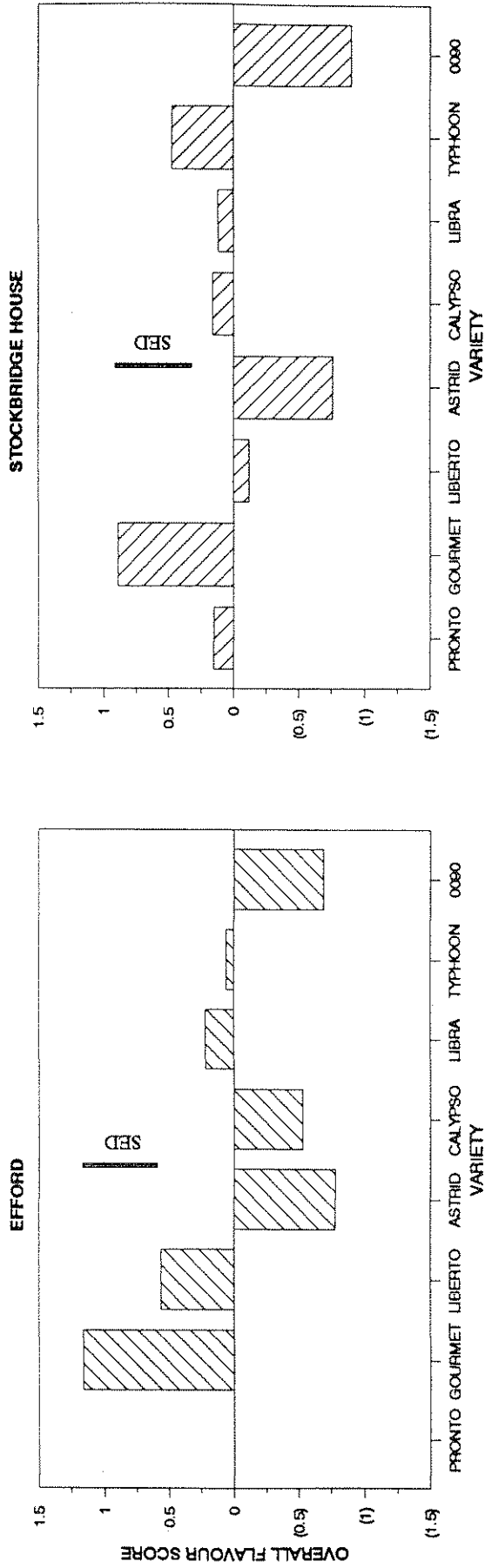
4.2.3 Taste panel assessments

Mean taste attribute scores for each variety across the 4 sampling dates are presented graphically for Efford and Stockbridge House separately and together (overall).









APPENDIX I.

Monthly, cumulative total yield, gradeout and monetary returns results for the trials at HRI Efford and HRI Stockbridge House.

N.S.	No significant
*	Significant at 5% level of confidence (P = <0.05)
**	Significant at 1% level of confidence (P = <0.01)
***	Significant at 0.1% level of confidence (P = <0.001)

HRI EFFORD**TOTAL YIELD kgm⁻²**

Variety	Feb	Mar	Apr	May	Total to May	June	July	Aug	Sept	Total to Sept
<i>Pronto</i>	0.33	2.66	4.56	6.98	14.56	8.48	9.04	6.55	7.27	45.91
<i>Gourmet</i>	0.28	2.47	4.44	6.36	13.55	7.95	8.80	6.11	6.71	43.12
<i>Liberto</i>	0.27	2.45	4.72	6.83	14.28	8.83	8.44	5.95	7.12	44.63
<i>Astrid</i>	0.29	2.27	4.50	7.21	14.28	8.85	9.23	6.67	8.06	47.11
<i>Calypso</i>	0.34	2.24	4.70	7.09	14.37	8.52	8.92	6.34	7.13	45.28
<i>Libra</i>	0.18	2.08	4.56	7.76	14.58	9.05	9.51	6.23	7.63	47.00
<i>Typhoon</i>	0.43	2.43	4.89	7.54	15.30	8.87	8.95	5.80	7.09	46.02
<i>0090</i>	0.26	2.30	4.40	7.20	14.16	9.06	9.23	5.83	6.92	45.20
SED (d.f = 35)	0.057	0.102	0.213	0.393	0.587	0.384	0.386	0.229	0.317	1.692
LSD 5%	0.116	0.207	0.432	0.798	1.191	0.779	0.783	0.464	0.643	2.862
Significance	**	***	N.S.	*	N.S.	N.S.	N.S.	**	**	N.S.

HRI EFFORD**PERCENTAGE CLASS I FRUIT**

Variety	Feb	Mar	Apr	May	Total to May	June	July	Aug	Sept	Total to Sept
<i>Pronto</i>	97	96	85	85	87	93	95	94	88	91
<i>Gourmet</i>	92	95	84	84	86	90	94	94	90	90
<i>Liberto</i>	93	94	82	80	84	89	91	90	82	86
<i>Astrid</i>	88	96	77	83	84	93	96	95	89	90
<i>Calypso</i>	96	95	82	86	86	94	94	95	90	91
<i>Libra</i>	72	97	78	78	81	90	93	92	87	87
<i>Typhoon</i>	94	91	75	79	80	91	93	92	84	87
<i>0090</i>	89	96	85	86	87	91	92	91	86	89
SED (d.f = 35)	6.7	1.3	2.0	1.7	1.3	0.8	0.9	1.3	1.5	0.6
LSD 5%	13.6	2.6	4.0	3.4	2.6	1.6	1.8	2.6	2.5	1.0
Significance	*	**	***	***	***	***	***	**	***	***

HRI EFFORD

PERCENTAGE OF CLASS I FRUIT WITHIN SIZE GRADE C (> 57 mm DIAMETER)

Variety	Feb	Mar	Apr	May	Total to May	June	July	Aug	Sept	Total to Sept
<i>Pronto</i>	0	0	0.5	6.9	3.4	15.7	11.2	3.9	1.8	7.2
<i>Gourmet</i>	0	0	0.6	4.6	2.3	9.8	8.6	2.7	1.1	4.9
<i>Liberto</i>	3	0	2.2	13.8	7.6	23.6	15.1	7.8	1.5	11.5
<i>Astrid</i>	0	0	3.2	14.6	8.3	31.4	22.5	9.2	3.6	15.1
<i>Calypso</i>	1	0	1.5	7.3	4.3	21.3	17.9	5.4	1.4	10.1
<i>Libra</i>	0	0	3.0	13.8	8.0	28.5	21.7	6.7	2.9	14.0
<i>Typhoon</i>	3	0	3.3	11.9	7.2	24.4	20.3	10.6	3.8	13.3
<i>0090</i>	0	3	10.2	27.2	17.4	43.8	31.0	12.3	6.3	23.4
SED (d.f. = 35)	1.9	0.7	1.90	3.75	2.38	4.99	3.87	3.21	1.56	2.91
LSD 5%	3.8	1.4	3.85	7.61	4.83	10.13	7.85	6.52	2.63	4.92
Significance	N.S.	**	***	***	***	***	***	N.S.	*	***

HRI EFFORD**PERCENTAGE OF CLASS I FRUIT WITHIN SIZE GRADE D (47-57 mm DIAMETER)**

Variety	Feb	Mar	Apr	May	Total to May	June	July	Aug	Sept	Total to Sept
<i>Pronto</i>	36	44	69	80	68	76	76	86	77	75
<i>Gourmet</i>	29	31	56	75	59	77	77	82	71	72
<i>Liberto</i>	50	54	75	76	70	70	78	85	83	76
<i>Astrid</i>	73	57	76	78	74	65	72	84	85	75
<i>Calypso</i>	39	52	73	82	73	72	72	84	74	74
<i>Libra</i>	36	44	68	78	68	65	69	84	82	72
<i>Typhoon</i>	57	41	74	78	69	67	71	81	81	73
<i>0090</i>	83	73	80	70	73	53	64	82	87	70
SED (d.f = 35)	7.4	7.0	5.4	3.8	3.9	4.3	3.1	2.9	3.4	2.5
LSD 5%	15.0	14.2	10.9	7.7	7.9	8.7	6.3	5.8	6.9	5.1
Significance	***	***	**	N.S.	*	***	***	N.S.	***	N.S.

HRI EFFORD

PERCENTAGE OF CLASS I FRUIT WITHIN SIZE GRADE E (40-47 mm DIAMETER)

Variety	Feb	Mar	Apr	May	Total to May	June	July	Aug	Sept	Total to Sept
<i>Pronto</i>	60	54	30	13	28	8	12	9	20	16
<i>Gourmet</i>	69	67	42	20	38	13	15	15	27	23
<i>Liberto</i>	46	45	23	10	22	6	7	7	15	12
<i>Astrid</i>	27	42	21	7	18	3	6	6	11	10
<i>Calypso</i>	60	47	25	11	23	7	10	11	24	15
<i>Libra</i>	63	54	29	8	23	6	9	8	15	13
<i>Typhoon</i>	40	57	22	10	23	8	9	7	15	14
<i>0090</i>	17	24	10	3	9	3	5	5	6	6
SED (d.f. = 35)	7.5	6.8	5.2	2.9	4.0	1.9	1.9	1.7	3.5	2.4
LSD 5%	15.2	8.8	10.5	5.9	8.1	3.8	3.8	3.4	7.1	4.8
Significance	***	***	***	***	***	***	***	***	***	***

HRI EFFORD**MONETARY VALUE (£/m²)**

Variety	To End May	To End Sept
<i>Pronto</i>	11.28	24.74
<i>Gourmet</i>	10.43	23.12
<i>Liberto</i>	10.86	23.75
<i>Astrid</i>	10.92	25.03
<i>Calypso</i>	11.09	24.46
<i>Libra</i>	10.98	24.91
<i>Typhoon</i>	11.53	24.74
<i>0090</i>	10.88	24.27
SED (d.f=31)	0.479	0.938
LSD (5%)	-	-
Significance	NS	NS

HRI STOCKBRIDGE HOUSE**TOTAL YIELD kgm⁻²**

Variety	Mar/ Apr	May	Total to May	June	July	Aug	Sept	Total to Sept
<i>Pronto</i>	4.74	9.14	13.87	10.73	9.96	7.07	5.83	47.47
<i>Gourmet</i>	4.19	9.35	13.54	10.53	9.72	6.96	5.67	46.42
<i>Liberto</i>	4.53	9.47	14.00	10.65	9.94	7.93	6.44	48.95
<i>Astrid</i>	3.97	9.17	13.14	10.34	10.12	8.11	6.24	47.95
<i>Calypso</i>	4.31	8.75	13.06	10.28	9.80	7.22	6.10	46.46
<i>Libra</i>	3.55	9.00	12.55	10.50	9.75	7.36	6.10	46.27
<i>Typhoon</i>	4.30	9.18	13.49	10.55	10.01	6.99	6.34	47.38
<i>0090</i>	2.86	10.75	13.61	11.14	10.33	7.36	5.90	48.30
<i>Spectra</i>	3.52	9.26	12.78	10.48	9.99	7.45	6.38	47.06
SED (d.f = 31)	0.212	0.388	0.512	0.485	0.468	0.338	0.241	1.780
LSD 5%	0.43	0.79	1.04	-	-	0.69	0.49	-
Significance	***	***	*	NS	NS	*	*	NS

HRI STOCKBRIDGE HOUSE**PERCENTAGE CLASS I FRUIT**

Variety	Mar/ Apr	May	Total to May	June	July	Aug	Sept	Total to Sept
<i>Pronto</i>	96.6	89.7	92.1	85.4	61.5	63.4	64.6	76.5
<i>Gourmet</i>	97.6	91.9	93.7	90.3	71.1	73.9	74.5	82.9
<i>Liberto</i>	96.2	84.4	88.2	75.3	40.1	45.9	51.5	64.0
<i>Astrid</i>	95.4	88.5	90.6	84.5	59.8	65.3	65.2	75.2
<i>Calypso</i>	98.0	94.3	95.5	91.6	75.6	73.8	73.7	84.2
<i>Libra</i>	95.0	85.5	88.2	81.2	68.4	64.3	59.9	74.9
<i>Typhoon</i>	95.6	89.6	91.5	86.2	59.1	60.0	62.3	74.9
<i>0090</i>	95.2	86.3	88.1	86.8	72.1	69.8	70.5	79.5
<i>Spectra</i>	97.7	93.1	94.3	90.5	72.5	70.0	75.1	82.4
SED (d.f = 31)	1.00	0.89	0.63	1.58	3.14	2.51	3.20	1.30
LSD 5%	2.0	1.80	1.29	3.2	6.4	5.1	6.5	2.7
Significance	*	***	***	***	***	***	***	***

HRI STOCKBRIDGE HOUSE**PERCENTAGE OF CLASS I FRUIT WITHIN SIZE GRADE C (>57 mm DIAMETER)**

Variety	Mar/ Apr	May	Total to May	June	July		Aug	Total Sept to Sept
<i>Pronto</i>	36.9	37.8	37.6	24.0	21.3	15.1	15.6	26.4
<i>Gourmet</i>	24.6	26.8	26.1	14.4	12.7	12.2	11.9	17.4
<i>Liberto</i>	62.4	51.8	55.4	25.4	24.0	17.8	15.2	35.0
<i>Astrid</i>	49.5	35.6	40.0	21.1	13.6	17.6	23.2	25.8
<i>Calypso</i>	31.5	28.2	29.2	16.6	16.3	14.9	16.6	20.4
<i>Libra</i>	47.7	33.0	37.5	19.0	18.3	15.9	21.5	24.6
<i>Typhoon</i>	40.5	35.1	36.9	21.0	20.3	18.8	20.3	26.1
<i>0090</i>	86.1	67.8	71.9	34.9	28.9	23.2	30.8	43.2
<i>Spectra</i>	54.0	49.6	50.9	25.1	29.3	28.6	29.9	35.1
SED (d.f = 31)	5.02	4.10	4.18	4.77	5.79	5.96	6.41	4.64
LSD 5%	10.2	8.40	8.50	9.70	11.8	-	-	9.3
Significance	***	***	***	**	*	NS	NS	***

HRI STOCKBRIDGE HOUSE**PERCENTAGE OF CLASS I FRUIT WITHIN SIZE GRADE D (47-57 mm DIAMETER)**

Variety	Mar/ Apr	May	Total to May	June	July	Aug	Sept	Total to Sept
<i>Pronto</i>	62.4	60.2	60.9	74.1	76.5	82.6	82.0	71.7
<i>Gourmet</i>	74.6	71.3	72.3	82.6	85.1	85.7	85.9	80.4
<i>Liberto</i>	37.1	46.8	43.5	73.0	74.7	81.0	83.4	63.7
<i>Astrid</i>	49.1	62.1	58.0	76.1	79.2	81.2	75.9	71.2
<i>Calypso</i>	68.3	69.3	69.1	80.2	81.4	81.9	81.2	77.4
<i>Libra</i>	52.0	64.3	60.5	77.3	79.4	82.4	77.6	73.1
<i>Typhoon</i>	58.8	61.8	60.8	74.2	76.9	79.1	78.2	71.0
<i>0090</i>	11.0	30.3	26.0	63.7	69.7	74.9	68.3	55.2
<i>Spectra</i>	45.7	49.3	48.3	72.6	69.1	70.3	69.3	63.5
SED (d.f = 31)	5.06	3.96	4.08	4.37	5.74	5.89	6.32	4.42
LSD 5%	10.3	8.10	8.30	8.9	-	-	-	9.0
Significance	***	***	***	*	NS	NS	NS	***

HRI STOCKBRIDGE HOUSE

PERCENTAGE OF CLASS I FRUIT WITHIN SIZE GRADE E (40-47 mm DIAMETER)

Variety	Mar/ Apr	May	Total to May	June	July	Aug	Sept	Total to Sept
<i>Pronto</i>	0.6	1.8	1.4	1.8	1.9	2.2	2.2	1.8
<i>Gourmet</i>	0.9	1.7	1.4	3.0	2.1	2.0	2.1	2.1
<i>Liberto</i>	0.2	1.2	0.8	1.6	1.4	1.2	1.4	1.2
<i>Astrid</i>	0.2	2.0	1.4	2.7	2.3	1.1	0.8	1.7
<i>Calypso</i>	0.2	2.3	1.6	3.2	2.2	3.1	2.1	2.2
<i>Libra</i>	0.3	2.4	1.7	3.6	2.5	1.6	0.8	2.2
<i>Typhoon</i>	0.5	2.5	1.9	4.7	2.4	2.1	1.4	2.6
<i>0090</i>	0	0.8	0.6	1.3	1.1	1.9	0.9	1.0
<i>Spectra</i>	0	1.0	0.7	2.3	1.7	1.1	0.8	1.3
SED (d.f = 35)	0.20	0.32	0.23	0.58	0.71	0.84	0.74	0.40
LSD 5%	0.4	0.6	0.5	1.2	-	-	-	0.81
Significance	**	***	***	***	NS	NS	NS	**

HRI STOCKBRIDGE HOUSE**MONETARY VALUE (£/m²)**

Variety	To End May	To End Sept
<i>Pronto</i>	10.34	24.28
<i>Gourmet</i>	10.25	24.35
<i>Liberto</i>	10.37	23.96
<i>Astrid</i>	9.88	23.66
<i>Calypso</i>	9.92	24.08
<i>Libra</i>	9.40	23.31
<i>Typhoon</i>	10.06	24.12
<i>0090</i>	10.21	24.78
<i>Spectra</i>	9.72	24.00
SED (d.f=31)	0.380	0.813
LSD (5%)	-	-
Significance	NS	NS

APPENDIX 2.

Weekly and total yields for all six sites with weekly light integral (J/cm^2).

VARIETAL COMPARISON OF WEEKLY AND TOTAL YIELD (kgm⁻²) - JOHN HALL NURSERIES

Week	Pronto	Gourmet (W2101)	Liberto	Astrid	Calypso	Libra	Typhoon	0090	Spectra	Light J/cm ²
8	0.122	0.153	0.053	0.079	0.004	0.016	0.080	0.0	*	
9	0.577	0.424	0.598	0.634	0.388	0.323	0.574	0.0	*	
10	0.764	0.856	0.799	0.507	0.618	0.749	0.874	0.261	*	
11	0.708	0.449	0.670	0.552	0.514	0.363	0.568	0.122	*	
12	1.287	1.065	1.201	1.007	1.111	0.938	1.016	0.597	*	
13	0.951	0.875	0.961	0.635	0.678	0.653	0.864	0.909	*	
14	1.211	1.021	1.105	0.908	1.182	0.959	1.173	0.646	*	
15	1.335	1.168	1.149	0.860	1.111	1.069	1.194	1.270	*	
16	1.455	1.244	1.342	1.292	1.361	1.249	1.395	1.360	*	
17	1.641	1.474	1.571	1.472	1.544	1.472	1.440	1.802	*	
18	1.176	1.161	1.292	1.189	1.099	1.223	1.275	1.447	*	
19	1.675	1.594	1.804	1.592	1.565	1.831	1.623	1.507	*	
20	1.705	1.717	1.803	1.816	1.810	1.844	1.820	1.889	*	
21	2.129	1.898	1.992	2.230	2.137	2.050	2.119	2.222	*	
22	1.901	2.163	2.106	2.063	2.074	2.136	1.985	2.116	*	
23	1.728	1.737	1.895	1.918	1.865	1.907	1.911	1.967	*	
24	2.170	1.789	2.142	2.153	1.881	1.880	2.351	1.935	*	
25	2.171	2.285	2.169	2.315	2.000	2.406	2.123	2.674	*	
26	1.811	1.658	2.044	2.004	1.837	1.852	2.009	1.644	*	
27	2.511	2.258	2.401	2.089	2.449	2.573	2.280	2.489	*	
28	2.253	2.371	2.473	2.367	2.144	2.223	2.172	2.046	*	
29	1.974	1.760	1.933	1.894	1.820	1.785	1.630	1.450	*	
30	1.724	2.166	1.468	1.734	2.064	1.796	1.971	1.853	*	
31	2.482	2.268	3.039	2.743	2.432	2.721	2.705	2.603	*	
32	1.884	1.784	1.901	1.594	1.681	1.743	1.665	1.464	*	
33	1.496	1.206	1.425	1.379	1.218	1.274	1.028	1.216	*	
34	0.962	1.228	0.683	0.936	1.076	0.862	0.740	0.867	*	
35	2.076	2.010	1.855	1.783	1.856	1.969	1.282	1.664	*	
36	1.764	1.518	1.982	1.904	1.959	1.847	2.212	1.440	*	
37	1.913	1.708	2.299	1.971	1.813	1.846	1.821	1.566	*	
38	1.311	1.297	1.409	1.229	1.104	1.212	1.163	1.100	*	
39	0.996	1.064	1.250	0.986	0.827	0.818	0.916	0.840	*	
40	1.115	1.645	0.788	1.094	1.413	1.097	1.293	1.121	*	
41	1.268	1.350	1.086	1.206	1.033	1.356	1.385	1.041	*	
42	1.188	1.122	1.135	1.166	1.137	1.113	1.153	0.898	*	
43	0.970	1.103	1.477	1.309	0.908	1.046	1.080	0.729	*	
44	0.716	0.828	0.906	0.820	0.567	0.711	0.639	0.499	*	
45	0.490	1.177	0.557	0.848	0.518	0.617	0.845	0.452	*	
Total	55.631	54.584	56.822	54.318	52.798	53.529	54.374	49.706	*	

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VARIETAL COMPARISON OF WEEKLY AND TOTAL YIELD (kg/m²) - NORTH WEST GROWERS

Week	Pronto	Gourmet (W2101)	Liberto	Astrid	Calypso	Libra	Typhoon	0090	Spectra	Light J/cm ²
6	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	1765
7	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	3772
8	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	2796
9	0.145	0.066	0.025	0.093	*	0.006	0.088	0.032	0.0	4686
10	0.319	0.394	0.359	0.315	*	0.217	0.355	0.200	0.208	5504
11	0.361	0.354	0.197	0.243	*	0.143	0.316	0.163	0.269	3552
12	0.768	0.699	0.755	0.585	*	0.390	0.699	0.477	0.595	4173
13	0.709	0.595	0.643	0.615	*	0.489	0.606	0.633	0.558	5264
14	0.873	0.860	0.848	0.841	*	0.916	0.765	0.895	0.793	6734
15	1.001	0.902	1.064	1.136	*	1.083	0.929	1.082	1.096	7785
16	1.030	0.782	1.018	1.146	*	1.196	0.993	1.141	1.279	6006
17	1.226	1.078	1.225	1.318	*	1.168	1.244	1.241	1.257	9286
18	1.306	1.210	1.163	1.291	*	1.410	1.288	1.309	1.500	10458
19	1.272	1.319	1.476	1.524	*	1.630	1.473	1.468	1.612	9400
20	1.532	1.468	1.596	1.700	*	1.665	1.574	1.464	1.553	14145
21	1.721	1.696	1.903	1.941	*	2.045	1.995	1.919	2.017	13882
22	1.413	1.540	1.746	1.622	*	1.877	1.797	1.852	1.780	11560
23	1.544	1.333	1.705	1.647	*	1.503	1.820	1.329	1.595	10046
24	2.685	2.146	2.487	2.483	*	2.377	2.528	2.351	2.590	13066
25	2.000	2.052	2.165	2.628	*	2.485	2.523	2.447	2.722	15162
26	1.896	1.930	2.163	2.380	*	2.545	2.184	2.287	2.290	14138
27	2.169	1.958	2.017	2.161	*	2.207	1.815	2.193	2.116	7907
28	1.771	1.809	2.021	2.044	*	1.722	1.841	1.870	1.844	10300
29	1.651	1.679	1.444	1.440	*	1.467	1.495	1.341	1.452	11191
30	2.239	2.131	2.161	2.414	*	2.416	2.348	2.504	2.448	9980
31	1.903	1.664	2.113	2.056	*	2.202	2.058	2.232	2.076	10721
32	1.837	1.587	2.379	2.142	*	2.067	1.784	1.644	1.644	7377
33	1.459	1.265	1.558	1.574	*	1.287	1.379	1.329	1.270	10723
34	0.917	1.020	1.101	1.171	*	1.310	0.892	1.088	1.344	10395
35	1.144	1.101	1.109	0.978	*	1.198	1.302	1.348	1.119	6650
36	1.352	1.404	1.276	1.420	*	1.346	1.302	1.468	1.650	7920
37	1.228	1.129	1.273	1.150	*	1.091	1.309	1.167	1.514	6651
38	1.244	1.077	0.823	0.920	*	0.717	1.079	0.918	1.070	4379
39	0.929	1.076	0.958	0.775	*	0.897	1.286	1.008	1.396	4194
Total	41.644	39.324	42.771	43.752	*	43.072	43.067	42.400	44.657	

VARIETAL COMPARISON OF WEEKLY AND TOTAL YIELD (kg/m²) - V.H.B. ZUIDER ZEE NURSERY

Week	Pronto	Gourmet (W2101)	Liberto	Astrid	Calypto	Libra	Typhoon	0090	Spectra	Light J/cm ²
6	0.0	0.009	0.002	0.0	0.004	0.0	0.005	0.0	*	3156
7	0.059	0.079	0.011	0.030	0.061	0.007	0.113	0.007	*	3439
8	0.269	0.286	0.176	0.338	0.300	0.157	0.322	0.138	*	3796
9	0.482	0.481	0.405	0.467	0.520	0.364	0.509	0.449	*	4002
10	0.560	0.472	0.713	0.738	0.551	0.623	0.578	0.727	*	4868
11	0.658	0.626	0.574	0.480	0.629	0.523	0.624	0.564	*	4650
12	0.878	0.674	0.865	0.682	0.767	0.709	0.843	0.854	*	5807
13	0.974	0.822	0.992	0.811	0.881	0.899	0.866	0.821	*	6594
14	0.956	0.889	0.953	0.826	0.983	0.848	0.928	0.728	*	8645
15	1.045	0.915	1.007	0.948	0.874	0.887	0.873	0.862	*	9912
16	1.016	0.916	0.980	0.946	0.974	0.948	1.082	1.065	*	7805
17	1.294	1.093	1.233	1.248	1.137	1.178	1.264	1.154	*	10923
18	1.247	1.108	1.310	1.128	1.254	1.246	1.326	1.167	*	10660
19	1.678	1.504	1.658	1.573	1.568	1.588	1.646	1.554	*	11750
20	1.404	1.404	1.536	1.509	1.563	1.596	1.642	1.490	*	13907
21	1.809	1.769	1.963	1.882	1.837	2.064	2.007	2.022	*	18302
22	1.571	1.720	1.797	1.643	1.715	1.869	1.748	2.033	*	14971
23	1.726	1.386	1.743	1.758	1.576	1.480	1.984	1.693	*	8754
24	1.783	1.915	2.025	2.006	1.952	1.806	1.963	2.037	*	19316
25	2.037	1.946	2.024	2.068	2.023	2.083	2.020	2.139	*	15156
26	1.681	1.714	1.836	2.059	1.808	2.357	1.904	1.881	*	14008
27	2.651	1.654	2.048	1.941	1.865	1.728	2.042	1.886	*	8258
28	1.670	1.601	1.691	1.799	1.764	1.755	1.581	1.636	*	11219
29	1.298	1.061	1.079	1.223	1.081	1.009	1.003	1.213	*	10439
30	1.607	2.045	1.651	1.688	1.942	1.772	2.030	1.813	*	14258
31	2.352	1.664	2.445	2.291	1.908	2.223	2.611	2.291	*	14907
32	1.365	1.286	1.214	1.310	1.311	1.362	1.102	1.359	*	12482
33	1.422	1.252	0.999	1.020	1.141	1.128	0.871	1.195	*	10394
34	0.738	0.906	0.491	0.724	0.761	0.894	0.570	0.719	*	8221
35	1.778	1.643	2.240	1.440	1.949	1.599	1.770	1.865	*	9423
36	1.498	1.327	1.790	1.665	1.588	1.743	1.830	1.406	*	8127
37	1.121	1.048	1.018	0.829	0.975	0.966	1.059	0.944	*	9130
38	1.225	1.253	1.336	1.335	1.287	1.221	1.407	0.926	*	7066
39	1.049	1.082	0.953	0.881	1.107	0.902	0.803	0.842	*	5458
40	0.622	1.110	0.589	0.740	0.932	0.885	0.536	0.904	*	7013
Total	42.965	40.660	43.346	42.027	42.588	42.377	46.040	42.382	*	

VARIETAL COMPARISON OF WEEKLY AND TOTAL YIELD (kg/m²) - ARRETTON VALLEY NURSERY

Week	Pronto	Gourmet (W2101)	Liberto	Astrid	Calypso	Libra	Typhoon	0090	Spectra	Light J/cm ²
7	0.24	0.34	0.17	0.15	0.07	0.12	0.33	0.0	*	3140
8	0.31	0.35	0.33	0.39	0.39	0.38	0.32	0.0	*	3500
9	0.95	0.74	0.93	0.68	0.84	0.59	0.83	0.35	*	3920
10	0.76	0.80	0.85	0.66	0.68	0.79	0.83	0.80	*	4440
11	0.78	0.75	0.68	0.68	1.02	0.68	0.80	0.85	*	4890
12	0.98	0.99	1.06	1.05	1.02	1.01	1.17	1.05	*	5430
13	1.10	1.05	1.13	0.96	1.19	1.03	1.08	1.04	*	6010
14	1.32	1.32	1.46	1.49	1.56	1.24	1.34	1.19	*	6800
15	1.33	1.36	1.32	1.49	1.41	1.42	1.25	1.39	*	7800
16	1.514	1.467	1.489	1.589	1.575	1.531	1.530	1.587	*	8620
17	1.498	1.376	1.544	1.539	1.460	1.435	1.437	1.650	*	9710
18	1.615	1.472	1.584	1.659	1.562	1.534	1.596	1.758	*	10780
19	2.293	2.192	2.349	2.414	2.333	2.157	2.361	2.184	*	12260
20	1.909	1.835	1.948	2.149	2.100	1.951	2.100	2.196	*	14250
21	2.364	2.324	2.385	2.416	2.433	2.370	2.245	2.549	*	18130
22	2.075	2.239	2.078	2.175	2.330	2.199	2.359	2.235	*	14400
23	2.731	2.637	2.824	2.835	2.563	2.465	2.139	2.696	*	9560
24	2.579	2.545	2.677	2.679	2.657	2.380	2.648	2.808	*	17740
25	2.600	2.662	2.525	2.590	2.757	2.768	2.747	3.165	*	15960
26	1.828	1.557	1.808	2.069	1.708	2.024	1.663	1.437	*	13920
27	2.817	2.508	2.787	2.771	2.625	2.474	2.799	3.611	*	8190
28	2.517	2.513	2.443	2.875	2.545	2.607	2.211	2.831	*	10660
29	2.107	2.012	1.969	2.271	2.050	2.017	1.750	2.332	*	9420
30	1.991	2.146	2.023	1.976	2.314	1.865	2.489	2.044	*	13530
31	2.660	2.560	3.205	3.003	2.490	2.933	2.799	3.197	*	14730
32	1.761	1.818	1.588	1.620	1.702	1.761	1.482	1.919	*	10540
33	1.860	1.659	1.673	1.854	1.681	1.563	1.337	1.893	*	9800
34	1.445	1.566	1.414	1.536	1.634	1.232	1.329	1.311	*	7130
35	2.080	1.862	2.124	2.084	1.959	2.201	2.090	2.495	*	8350
36	1.639	1.461	1.807	1.768	1.692	1.588	1.982	1.507	*	8050
37	2.205	1.829	2.341	2.084	2.058	1.934	1.475	2.122	*	9142
38	1.745	1.660	2.080	1.797	1.513	1.493	1.491	1.640	*	6384
39	1.314	1.239	1.154	1.175	1.320	1.152	0.970	1.413	*	5621
40	1.295	1.277	1.102	1.203	1.407	1.362	1.255	1.719	*	5810
41	0.753	1.021	0.898	0.900	0.894	1.126	1.085	1.396	*	5096
42	0.892	1.136	1.018	1.077	1.046	0.983	1.073	1.000	*	5446
43	2.627	2.063	2.277	2.403	2.450	1.789	2.563	2.333	*	3444
44	2.444	2.802	2.745	2.777	2.524	2.895	2.348	2.500	*	3689
Total	64.925	63.124	65.781	66.823	65.557	63.047	63.282	68.208	*	

VARIETAL COMPARISON OF WEEKLY AND TOTAL YIELD (kgm²) - HRI EFFORD

Week	Pronto	Gourmet (W2101)	Liberto	Astrid	Calyпсо	Libra	Typhoon	0090	Spectra	Light J/cm ²
8	0.059	0.040	0.015	0.012	0.012	0.0	0.063	0.009	*	3752
9	0.266	0.241	0.257	0.275	0.328	0.181	0.368	0.245	*	3766
10	0.409	0.475	0.443	0.467	0.323	0.392	0.505	0.365	*	5180
11	0.442	0.508	0.437	0.346	0.363	0.345	0.401	0.362	*	4403
12	0.596	0.502	0.531	0.524	0.491	0.463	0.487	0.521	*	5551
13	0.854	0.660	0.737	0.627	0.737	0.604	0.697	0.741	*	6013
14	0.927	0.745	0.837	0.700	0.866	0.723	0.866	0.783	*	7322
15	1.062	0.986	0.964	0.929	1.003	0.930	1.124	0.992	*	10164
16	1.025	1.102	1.068	1.030	1.064	1.121	1.252	0.878	*	9023
17	1.252	1.198	1.373	1.275	1.222	1.198	1.197	1.232	*	10388
18	0.908	1.021	1.053	1.249	1.256	1.178	1.150	1.153	*	11536
19	1.365	1.235	1.336	1.403	1.367	1.636	1.384	1.406	*	12670
20	1.420	1.022	1.434	1.059	1.509	1.240	1.718	1.167	*	14434
21	2.310	2.116	2.235	2.508	2.117	2.553	2.190	2.435	*	18158
22	1.662	1.696	1.568	1.863	1.712	2.022	1.887	1.857	*	14371
23	1.625	1.626	1.716	1.615	1.498	1.794	1.742	1.807	*	10479
24	2.009	1.899	2.173	2.132	2.031	2.144	2.212	2.077	*	18606
25	2.190	2.041	2.296	2.369	2.314	2.313	2.348	2.301	*	16765
26	1.843	1.650	1.828	1.874	1.762	1.935	1.682	2.001	*	15533
27	2.096	2.047	1.978	2.019	2.105	2.370	2.285	2.279	*	8274
28	2.214	2.038	2.275	2.339	2.168	2.372	2.095	2.281	*	9492
29	2.131	1.885	1.901	2.099	2.213	1.748	2.016	1.970	*	11662
30	1.768	1.980	1.669	1.991	1.788	2.118	1.630	1.823	*	13447
31	1.647	1.587	1.427	1.651	1.560	1.770	1.810	1.764	*	14476
32	1.954	1.983	2.168	2.117	1.955	2.030	1.987	1.939	*	11109
33	1.819	1.541	1.862	1.946	1.622	1.757	1.616	1.631	*	10129
34	1.343	1.280	1.156	1.379	1.236	1.392	1.124	1.199	*	7637
35	1.433	1.307	0.763	1.247	1.444	1.056	1.074	1.060	*	8645
36	1.368	1.370	1.444	1.616	1.477	1.505	1.433	1.373	*	8835
37	1.835	1.726	1.928	1.868	1.712	1.937	1.988	1.575	*	9255
38	1.987	1.505	1.829	2.005	1.762	1.916	1.881	1.772	*	6502
39	1.338	1.332	1.419	1.756	1.347	1.467	1.194	1.389	*	5687
40	0.751	0.778	0.506	0.820	0.832	0.801	0.593	0.813	*	5923
Total	45.91	43.12	44.63	47.11	45.28	47.00	46.02	45.20	*	

VARIETAL COMPARISON OF WEEKLY AND TOTAL YIELD (kgm²) - HRI STOCKBRIDGE HOUSE

Week	Pronto	Gourmet (W2101)	Liberto	Astrid	Calypso	Libra	Typhoon	0090	Spectra	Light J/cm ²
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2940
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3196
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3848
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5473
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5277
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5080
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5791
14	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	6072
15	0.49	0.23	0.29	0.19	0.42	0.05	0.44	0.03	0.14	9084
16	1.50	1.30	1.20	1.31	1.54	1.08	1.49	0.35	1.37	7813
17	1.51	1.57	1.84	1.41	1.26	1.50	1.24	1.36	1.03	8272
18	1.82	1.65	1.90	1.61	1.54	1.43	1.66	1.74	1.49	11548
19	1.27	1.19	1.40	1.26	1.00	1.39	1.19	1.76	1.31	9151
20	1.91	1.92	1.46	1.62	1.79	1.26	2.31	1.90	1.60	14781
21	3.27	3.30	3.55	3.47	3.45	3.71	2.96	3.77	3.59	14829
22	2.08	2.34	2.36	2.27	2.04	2.15	2.20	2.69	2.26	13632
23	2.74	2.67	2.75	2.46	2.44	2.43	2.53	2.87	2.52	10184
24	2.21	2.14	2.36	2.24	2.26	2.02	2.29	2.21	2.23	14705
25	3.08	3.02	2.79	2.30	2.89	2.99	2.96	2.91	2.94	14639
26	1.93	1.81	1.98	2.06	1.89	2.19	1.92	2.13	2.00	13818
27	2.60	2.66	2.53	2.72	2.45	2.35	2.61	2.96	2.42	7571
28	2.20	1.93	2.42	2.12	1.92	2.46	2.14	2.23	2.12	9725
29	1.90	2.03	1.79	2.02	2.17	1.87	1.77	1.97	2.08	11420
30	1.58	1.90	1.64	1.77	1.77	1.64	1.63	1.76	1.85	10816
31	2.46	2.08	2.35	2.25	2.31	2.31	2.72	2.43	2.30	12993
32	2.47	2.41	3.07	2.91	2.57	2.76	2.72	2.52	2.58	8216
33	1.77	1.47	2.17	1.73	1.70	1.71	1.51	1.54	1.78	11635
34	1.47	1.32	1.45	1.53	1.37	1.35	1.27	1.48	1.30	10446
35	0.93	1.19	0.90	1.39	1.12	1.19	0.84	1.16	1.23	7695
36	1.48	1.90	1.29	1.71	1.52	1.22	1.97	1.86	1.56	9523
37	2.38	1.93	2.88	2.31	2.18	2.30	2.51	1.99	2.32	7405
38	1.30	1.41	1.57	1.75	1.82	1.82	1.53	1.61	1.98	5376
39	1.72	1.55	1.62	1.54	1.59	1.66	1.55	1.56	1.52	2300
40	1.82	1.36	1.90	1.79	1.58	1.53	1.40	1.42	1.58	4354
41	1.17	1.40	1.15	1.56	1.28	1.58	1.01	1.37	1.38	3000
42	1.00	1.24	0.95	1.26	1.02	1.20	1.46	1.24	1.02	3879
43	1.52	1.07	1.94	1.15	1.38	1.29	1.33	1.29	1.25	3517
44	1.07	0.83	1.17	1.05	1.02	1.07	0.83	1.09	1.11	3362
45	0.88	1.02	0.70	1.07	0.87	0.81	0.91	1.03	1.05	2630
Total	55.55	53.84	57.73	55.83	54.17	54.32	54.90	56.23	54.91	

APPENDIX 3.

Comparison of weekly and total yield across sites by variety.

COMPARISON OF WEEKLY AND TOTAL YIELD (kgm⁻²) ACROSS SITESVariety : *PRONTO*

Week	John Hall	V.H.B.	Arreton Valley	North West Growers	HRI S/House	HRI Efford
	6	0.0	0.0	0.0	0.0	0.00.0
7	0.0	0.059	0.24	0.0	0.0	0.0
8	0.122	0.269	0.31	0.0	0.0	0.059
9	0.577	0.482	0.95	0.145	0.0	0.266
10	0.764	0.560	0.76	0.319	0.0	0.409
11	0.708	0.658	0.78	0.361	0.0	0.442
12	1.287	0.878	0.98	0.768	0.0	0.596
13	0.951	0.974	1.10	0.709	0.0	0.854
14	1.211	0.956	1.32	0.873	0.02	0.927
15	1.355	1.045	1.33	1.001	0.49	1.062
16	1.455	1.016	1.514	1.030	1.50	1.025
17	1.641	1.294	1.498	1.226	1.51	1.252
18	1.176	1.247	1.615	1.306	1.82	0.908
19	1.695	1.678	2.293	1.272	1.27	1.365
20	1.705	1.404	1.909	1.532	1.91	1.420
21	2.129	1.809	2.364	1.721	3.27	2.310
22	1.901	1.571	2.075	1.413	2.08	1.662
23	1.728	1.726	2.731	1.544	2.74	1.625
24	2.170	1.783	2.579	2.685	2.21	2.009
25	2.171	2.037	2.600	2.000	3.08	2.190
26	1.811	1.681	1.828	1.896	1.93	1.843
27	2.511	2.051	2.817	2.169	2.60	2.096
28	2.253	1.670	2.517	1.771	2.20	2.214
29	1.974	1.298	2.107	1.651	1.90	2.131
30	1.724	1.607	1.991	2.239	1.58	1.768
31	2.482	2.352	2.660	1.903	2.46	1.647
32	1.884	1.365	1.761	1.837	2.47	1.954
33	1.496	1.422	1.860	1.459	1.77	1.819
34	0.962	0.738	1.445	0.917	1.47	1.343
35	2.076	1.778	2.080	1.144	0.93	1.433
36	1.764	1.498	1.639	1.352	1.48	1.368
37	1.913	1.121	2.205	1.228	2.38	1.835
38	1.311	1.225	1.745	1.244	1.30	1.987
39	0.996	1.049	1.314	0.929	1.72	1.338
Total	49.903	42.303	56.914	41.644	48.09	45.157
40	1.115	0.662	1.295		1.82	0.751
41	1.268		0.753		1.17	
42	1.188		0.892		1.00	
43	0.970		2.627		1.52	
44	0.716		2.444		1.07	
45	0.490				0.88	
Total	55.650	42.965	64.925	41.644	55.55	45.908

COMPARISON OF WEEKLY AND TOTAL YIELD (kgm⁻²) ACROSS SITESVariety : *GOURMET (W2101)*

Week	John Hall	V.H.B.	Arreton Valley	North West Growers	HRI S/House	HRI Efford
6	0.0	0.009	0.0	0.0	0.0	0.0
7	0.0	0.079	0.34	0.0	0.0	0.0
8	0.153	0.286	0.35	0.0	0.0	0.040
9	0.424	0.481	0.74	0.066	0.0	0.241
10	0.856	0.472	0.80	0.394	0.0	0.475
11	0.449	0.626	0.75	0.354	0.0	0.508
12	1.065	0.674	0.99	0.699	0.0	0.502
13	0.875	0.822	1.05	0.595	0.0	0.660
14	1.021	0.889	1.32	0.860	0.0	0.745
15	1.168	0.915	1.36	0.902	0.23	0.986
16	1.244	0.916	1.467	0.782	1.30	1.102
17	1.474	1.093	1.376	1.078	1.57	1.198
18	1.161	1.108	1.472	1.210	1.65	1.021
19	1.594	1.504	2.192	1.319	1.19	1.235
20	1.717	1.404	1.835	1.468	1.92	1.022
21	1.898	1.769	2.324	1.696	3.30	2.116
22	2.163	1.720	2.239	1.540	2.34	1.696
23	1.737	1.386	2.637	1.333	2.67	1.626
24	1.789	1.915	2.545	2.146	2.14	1.899
25	2.285	1.946	2.662	2.052	3.02	2.041
26	1.658	1.714	1.557	1.930	1.81	1.650
27	2.258	1.654	2.508	1.958	2.66	2.047
28	2.371	1.601	2.513	1.809	1.93	2.038
29	1.760	1.061	2.012	1.679	2.03	1.885
30	2.166	2.045	2.146	2.131	1.90	1.980
31	2.268	1.664	2.560	1.664	2.08	1.587
32	1.784	1.286	1.818	1.587	2.41	1.983
33	1.206	1.252	1.659	1.265	1.47	1.541
34	1.228	0.906	1.566	1.020	1.32	1.280
35	2.000	1.643	1.862	1.101	1.19	1.307
36	1.518	1.327	1.461	1.404	1.90	1.370
37	1.708	1.048	1.829	1.129	1.93	1.726
38	1.297	1.253	1.660	1.077	1.41	1.505
39	1.064	1.082	1.239	1.076	1.55	1.332
Total	47.359	39.550	54.826	39.324	46.92	42.344
40	1.645	1.110	1.277		1.36	0.778
41	1.350		1.021		1.40	
42	1.122		1.136		1.24	
43	1.103		2.063		1.07	
44	0.828		2.802		0.83	
45	1.177				1.02	
Total	55.687	40.660	63.124	39.324	53.84	43.122

COMPARISON OF WEEKLY AND TOTAL YIELD (kgm⁻²) ACROSS SITESVariety : *LIBERTO*

Week	John Hall	V.H.B.	Arreton Valley	North West Growers	HRI S/House	HRI Efford
6	0.0	0.002	0.0	0.0	0.0	0.0
7	0.0	0.011	0.34	0.0	0.0	0.0
8	0.053	0.176	0.33	0.0	0.0	0.015
9	0.598	0.405	0.93	0.025	0.0	0.257
10	0.799	0.713	0.85	0.359	0.0	0.443
11	0.670	0.574	0.68	0.197	0.0	0.437
12	1.201	0.865	1.06	0.755	0.0	0.531
13	0.961	0.992	1.13	0.643	0.0	0.737
14	1.105	0.953	1.46	0.848	0.0	0.837
15	1.149	1.007	1.32	1.064	0.29	0.964
16	1.342	0.980	1.489	1.018	1.20	1.068
17	1.571	1.233	1.544	1.225	1.84	1.373
18	1.292	1.310	1.584	1.163	1.90	1.053
19	1.804	1.658	2.349	1.476	1.40	1.336
20	1.803	1.536	1.948	1.596	1.46	1.434
21	1.992	1.963	2.385	1.903	3.55	2.235
22	2.106	1.797	2.078	1.746	2.36	1.568
23	1.895	1.743	2.824	1.705	2.75	1.716
24	2.142	2.025	2.677	2.487	2.36	2.173
25	2.169	2.024	2.525	2.165	2.79	2.296
26	2.044	1.836	1.808	2.163	1.98	1.828
27	2.401	2.048	2.787	2.017	2.53	1.978
28	2.473	1.691	2.443	2.021	2.42	2.275
29	1.933	1.079	1.969	1.444	1.79	1.901
30	1.468	1.651	2.023	2.161	1.64	1.669
31	3.039	2.445	3.205	2.113	2.35	1.427
32	1.901	1.214	1.588	2.379	3.07	2.168
33	1.425	0.999	1.673	1.558	2.17	1.862
34	0.683	0.491	1.414	1.101	1.45	1.156
35	1.855	2.240	2.124	1.109	0.90	0.763
36	1.982	1.790	1.807	1.276	1.29	1.444
37	2.299	1.018	2.341	1.273	2.88	1.928
38	1.409	1.336	2.080	0.823	1.57	1.829
39	1.250	0.953	1.154	0.958	1.62	1.419
Total	50.873	42.758	57.741	42.771	49.56	44.120
40	0.788	0.589	1.102		1.90	0.506
41	1.086		0.898		1.51	
42	1.135		1.018		0.95	
43	1.477		2.277		1.94	
44	0.906		2.745		1.17	
45	0.557				0.70	
Total	56.822	43.347	65.781	42.771	57.73	44.626

COMPARISON OF WEEKLY AND YIELD (kgm⁻²) ACROSS SITESVariety : *ASTRID*

Week	John Hall	V.H.B.	Arreton Valley	North West Growers	HRI S/House	HRI Efford
6	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.030	0.15	0.0	0.0	0.0
8	0.079	0.338	0.39	0.0	0.0	0.012
9	0.634	0.467	0.68	0.093	0.0	0.275
10	0.507	0.738	0.66	0.315	0.0	0.467
11	0.552	0.480	0.68	0.243	0.0	0.346
12	1.007	0.682	1.05	0.585	0.0	0.524
13	0.635	0.811	0.96	0.615	0.0	0.627
14	0.908	0.826	1.49	0.841	0.0	0.700
15	0.860	0.948	1.49	1.136	0.19	0.929
16	1.292	0.946	1.589	1.146	1.31	1.030
17	1.472	1.248	1.539	1.318	1.41	1.275
18	1.189	1.128	1.659	1.291	1.61	1.249
19	1.592	1.573	2.414	1.524	1.26	1.403
20	1.816	1.509	2.149	1.700	1.62	1.059
21	2.230	1.882	2.416	1.941	3.47	2.508
22	2.063	1.643	2.175	1.622	2.27	1.863
23	1.918	1.758	2.835	1.646	2.46	1.615
24	2.153	2.006	2.679	2.483	2.24	2.132
25	2.315	2.068	2.590	2.628	2.30	2.369
26	2.004	2.059	2.069	2.380	2.06	1.874
27	2.089	1.941	2.771	2.161	2.72	2.019
28	2.367	1.799	2.875	2.044	2.12	2.339
29	1.894	1.223	2.271	1.440	2.02	2.099
30	1.734	1.688	1.976	2.414	1.77	1.991
31	2.743	2.291	3.003	2.056	2.25	1.651
32	1.594	1.310	1.620	2.142	2.91	2.117
33	1.379	1.020	1.854	1.574	1.73	1.946
34	0.936	0.724	1.536	1.171	1.53	1.379
35	1.783	1.440	2.084	0.978	1.39	1.247
36	1.904	1.665	1.768	1.420	1.71	1.616
37	1.971	0.829	2.084	1.150	2.31	1.868
38	1.229	1.335	1.797	0.920	1.75	2.005
39	0.986	0.881	1.175	0.775	1.54	1.756
Total	47.875	41.287	58.463	43.752	47.95	46.290
40	1.094	0.740	1.203		1.79	0.820
41	1.206		0.900		1.56	
42	1.166		1.077		1.26	
43	1.309		2.403		1.15	
44	0.820		2.777		1.05	
45	0.848				1.07	
Total	54.318	42.027	66.823	43.752	55.83	47.110

COMPARISON OF WEEKLY AND TOTAL YIELD (kgm⁻²) ACROSS SITESVariety : *CALYPSO*

Week	John Hall	V.H.B.	Arreton Valley	North West Growers	HRI S/House	HRI Efford
6	0.0	0.004	0.0	*	0.0	0.0
7	0.0	0.061	0.07	*	0.0	0.0
8	0.004	0.300	0.39	*	0.0	0.012
9	0.388	0.520	0.84	*	0.0	0.328
10	0.618	0.551	0.68	*	0.0	0.323
11	0.514	0.629	1.02	*	0.0	0.363
12	1.111	0.767	1.02	*	0.0	0.491
13	0.678	0.881	1.19	*	0.0	0.737
14	1.182	0.983	1.56	*	0.01	0.866
15	1.111	0.874	1.41	*	0.42	1.003
16	1.361	0.974	1.575	*	1.54	1.064
17	1.544	1.137	1.460	*	1.26	1.222
18	1.099	1.254	1.562	*	1.54	1.256
19	1.565	1.568	2.333	*	1.00	1.367
20	1.810	1.563	2.100	*	1.79	1.509
21	2.137	1.837	2.433	*	3.45	2.117
22	2.074	1.715	2.330	*	2.04	1.712
23	1.865	1.576	2.563	*	2.44	1.498
24	1.881	1.952	2.657	*	2.26	2.031
25	2.000	2.023	2.757	*	2.89	2.314
26	1.837	1.808	1.708	*	1.89	1.762
27	2.449	1.865	2.625	*	2.45	2.105
28	2.144	1.764	2.545	*	1.92	2.168
29	1.820	1.081	2.050	*	2.17	2.213
30	2.064	1.942	2.314	*	1.77	1.788
31	2.432	1.908	2.490	*	2.31	1.560
32	1.681	1.311	1.702	*	2.57	1.955
33	1.218	1.141	1.681	*	1.70	1.622
34	1.076	0.761	1.634	*	1.37	1.236
35	1.856	1.949	1.959	*	1.12	1.444
36	1.959	1.588	1.692	*	1.52	1.477
37	1.813	0.975	2.058	*	2.18	1.712
38	1.104	1.287	1.513	*	1.82	1.762
39	0.827	1.107	1.320	*	1.59	1.347
Total	47.222	41.656	57.237	*	47.02	44.450
40	1.413	0.932	1.407		1.58	0.832
41	1.033		0.894		1.28	
42	1.137		1.046		1.02	
43	0.908		2.450		1.38	
44	0.567		2.524		1.02	
45	0.518				0.87	
Total	52.798	42.588	65.667		54.17	45.282

COMPARISON OF WEEKLY AND TOTAL YIELD (kgm⁻²) ACROSS SITESVariety : *LIBRA*

Week	John Hall	V.H.B.	Arreton Valley	North West Growers	HRI S/House	HRI Efford
6	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.007	0.12	0.0	0.0	0.0
8	0.016	0.157	0.38	0.0	0.0	0.0
9	0.323	0.364	0.59	0.006	0.0	0.181
10	0.749	0.623	0.79	0.217	0.0	0.392
11	0.363	0.523	0.68	0.143	0.0	0.345
12	0.938	0.709	1.01	0.390	0.0	0.463
13	0.653	0.899	1.03	0.489	0.0	0.604
14	0.959	0.848	1.24	0.916	0.0	0.723
15	1.069	0.887	1.42	1.083	0.05	0.930
16	1.249	0.948	1.531	1.196	1.08	1.121
17	1.472	1.178	1.435	1.168	1.50	1.198
18	1.223	1.246	1.534	1.410	1.43	1.178
19	1.831	1.588	2.157	1.630	1.39	1.636
20	1.844	1.596	1.951	1.665	1.26	1.240
21	2.050	2.064	2.370	2.045	3.71	2.553
22	2.136	1.869	2.199	1.877	2.15	2.022
23	1.907	1.480	2.465	1.503	2.43	1.794
24	1.880	1.806	2.380	2.377	2.02	2.144
25	2.406	2.083	2.768	2.485	2.99	2.313
26	1.852	2.357	2.024	2.545	2.19	1.935
27	2.573	1.728	2.474	2.207	2.35	2.370
28	2.223	1.755	2.607	1.722	2.46	2.372
29	1.785	1.009	2.017	1.467	1.87	1.748
30	1.796	1.772	1.865	2.416	1.64	2.118
31	2.721	2.223	2.933	2.202	2.31	1.770
32	1.743	1.362	1.761	2.067	2.76	2.030
33	1.274	1.128	1.563	1.287	1.71	1.757
34	0.862	0.894	1.232	1.310	1.35	1.392
35	1.969	1.599	2.201	1.198	1.19	1.056
36	1.847	1.743	1.588	1.346	1.22	1.505
37	1.846	0.966	1.934	1.091	2.30	1.937
38	1.212	1.221	1.493	0.717	1.82	1.916
39	0.818	0.902	1.152	0.897	1.66	1.467
Total	47.589	41.491	54.893	43.072	46.84	46.209
40	1.097	0.904	1.362		1.53	0.801
41	1.356		1.126		1.58	
42	1.113		0.983		1.20	
43	1.046		1.789		1.29	
44	0.711		2.895		1.07	
45	0.617				0.81	
Total	53.529	42.395	63.047	43.072	54.32	47.010

COMPARISON OF TOTAL YIELD (kgm⁻²) ACROSS SITESVariety : *TYPHOON*

Week	John Hall	V.H.B.	Arreton Valley	North West Growers	HRI S/House	HRI Efford
6	0.0	0.005	0.0	0.0	0.0	0.0
7	0.0	0.113	0.33	0.0	0.0	0.0
8	0.080	0.322	0.32	0.0	0.0	0.063
9	0.574	0.509	0.83	0.088	0.0	0.368
10	0.874	0.578	0.83	0.355	0.0	0.505
11	0.568	0.624	0.80	0.316	0.0	0.401
12	1.106	0.843	1.17	0.699	0.0	0.487
13	0.864	0.866	1.08	0.606	0.0	0.697
14	1.173	0.928	1.34	0.765	0.0	0.892
15	1.194	0.873	1.25	0.929	0.44	1.124
16	1.395	1.082	1.530	0.993	1.49	1.252
17	1.440	1.264	1.437	1.244	1.24	1.197
18	1.275	1.326	1.596	1.288	1.66	1.150
19	1.623	1.646	2.361	1.473	1.19	1.384
20	1.820	1.642	2.100	1.574	2.31	1.718
21	2.119	2.007	2.245	1.995	2.96	2.190
22	1.985	1.748	2.359	1.797	2.20	1.887
23	1.911	1.984	2.139	1.820	2.53	1.742
24	2.351	1.963	2.648	2.528	2.29	2.212
25	2.123	2.020	2.747	2.523	2.96	2.348
26	2.009	1.904	1.663	2.184	1.92	1.682
27	2.280	2.042	2.799	1.815	2.61	2.285
28	2.172	1.581	2.211	1.841	2.14	2.095
29	1.630	1.003	1.750	1.495	1.77	2.016
30	1.971	2.030	2.489	2.348	1.63	1.630
31	2.705	2.611	2.799	2.058	2.72	1.810
32	1.665	1.102	1.482	1.784	2.72	1.987
33	1.028	0.871	1.337	1.379	1.51	1.616
34	0.740	0.570	1.329	0.892	1.27	1.124
35	1.282	1.770	2.090	1.302	0.84	1.074
36	2.212	1.830	1.982	1.302	1.97	1.433
37	1.821	1.059	1.475	1.309	2.51	1.988
38	1.163	1.407	1.491	1.079	1.53	1.881
39	0.916	0.803	0.970	1.286	1.55	1.194
Total	47.979	42.926	54.958	43.067	47.96	45.432
40	1.293	0.536	1.255		1.40	0.593
41	1.385		1.085		1.01	
42	1.153		1.073		1.46	
43	1.080		2.563		1.33	
44	0.639		2.348		0.83	
45	0.845				0.91	
Total	54.374	43.462	63.282	43.067	54.90	46.025

COMPARISON OF WEEKLY AND TOTAL YIELD (kgm⁻²) ACROSS SITES

Variety : 0090

Week	John Hall	V.H.B.	Arreton Valley	North West Growers	HRI S/House	HRI Efford
6	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.007	0.0	0.0	0.0	0.0
8	0.0	0.138	0.0	0.0	0.0	0.009
9	0.0	0.449	0.35	0.032	0.0	0.248
10	0.261	0.727	0.80	0.200	0.0	0.365
11	0.122	0.564	0.85	0.163	0.0	0.362
12	0.597	0.854	1.05	0.477	0.0	0.521
13	0.909	0.821	1.04	0.633	0.0	0.741
14	0.646	0.728	1.19	0.895	0.0	0.783
15	1.270	0.862	1.39	1.082	0.03	0.992
16	1.360	1.065	1.587	1.141	0.35	0.878
17	1.802	1.154	1.650	1.241	1.36	1.232
18	1.447	1.167	1.758	1.309	1.74	1.153
19	1.507	1.554	2.184	1.468	1.76	1.406
20	1.889	1.490	2.196	1.464	1.90	1.167
21	2.222	2.022	2.549	1.919	3.77	2.435
22	2.116	2.033	2.235	1.852	2.69	1.857
23	1.967	1.693	2.696	1.329	2.87	1.807
24	1.935	2.037	2.808	2.351	2.21	2.077
25	2.674	2.139	3.165	2.447	2.91	2.301
26	1.644	1.881	1.437	2.287	2.13	2.001
27	2.489	1.886	3.611	2.193	2.96	2.279
28	2.046	1.636	2.831	1.870	2.23	2.281
29	1.450	1.213	2.332	1.341	1.97	1.970
30	1.853	1.813	2.044	2.504	1.76	1.823
31	2.603	2.291	3.197	2.232	2.43	1.764
32	1.464	1.359	1.919	1.644	2.52	1.939
33	1.216	1.195	1.893	1.329	1.54	1.631
34	0.867	0.719	1.311	1.088	1.48	1.199
35	1.664	1.865	2.495	1.348	1.16	1.060
36	1.440	1.406	1.507	1.468	1.86	1.373
37	1.566	0.944	2.122	1.167	1.99	1.575
38	1.100	0.926	1.640	0.918	1.61	1.772
39	0.840	0.842	1.413	1.008	1.56	1.389
Total	44.966	41.478	59.260	42.400	48.79	44.390
40	1.121	0.904	1.719		1.42	0.813
41	1.041		1.396		1.37	
42	0.898		1.000		1.24	
43	0.729		2.333		1.29	
44	0.497		2.500		1.09	
45	0.452				1.03	
Total	49.704	42.382	68.208	42.400	56.23	45.203

APPENDIX 4.

Disorder Assessment results for the trial at HRI Efford. Fortnightly means and associated levels of significance for weeks 35 to 39.

N.S.	Not significant
*	Significant at 5% level of confidence (P = <0.05)
**	Significant at 1% level of confidence (P = <0.01)
***	Significant at 0.1% level of confidence (P = <0.001)

HRI EFFORD

FRUIT DISORDER ASSESSMENT

WEEK NUMBER 35

COMMERCIAL - IN CONFIDENCE

Variety	Boxiness	Nippling	Ribbing	Slab Sided	Radial Cracking	Netting	Gold Spot	Gold Marbling	Red Noses	Blotchy Ripening
<i>Pronto</i>	0.24	0.01	0.00	0.96	0.00	0.07	0.20	0.11	0	0.08
<i>Gourmet</i>	0.28	0.01	0.03	0.64	0.00	0.05	0.07	0.12	0	0.36
<i>Liberto</i>	0.51	0.07	0.00	1.54	0.00	0.00	0.49	0.15	0	0.10
<i>Astrid</i>	0.32	0.08	0.09	1.01	0.02	0.04	0.42	0.03	0	0.05
<i>Calypso</i>	0.19	0.09	0.17	0.61	0.00	0.00	0.16	0.01	0	0.16
<i>Libra</i>	0.32	0.13	0.02	1.19	0.00	0.02	0.12	0.07	0	0.32
<i>Typhoon</i>	0.76	0.06	0.04	1.82	0.00	0.00	0.20	0.01	0	0.11
<i>OO90</i>	0.01	0.01	0.01	0.36	0.02	0.01	0.08	0.07	0	0.05

SED (df= 35) 0.148 0.064 0.056 0.169 0.012 0.042 0.088 0.055 0 0.106

LSD 5% 0.300 0.130 0.114 0.343 0.024 0.085 0.179 0.112 0 0.216

Significance ** NS NS *** NS *** NS NS NS *

HRI EFFORD - FRUIT DISORDER ASSESSMENT

WEEK NUMBER 37

Variety	Boxiness	Nippling	Ribbing	Slab Sided	Radial Cracking	Netting	Gold Spot	Gold Marbling	Red Noses	Blotchy Ripening
<i>Pronto</i>	0.08	0.00	0.20	1.07	0.05	0.25	0.14	0.18	0.01	0.16
<i>Gourmet</i>	0.11	0.00	0.03	0.99	0.00	0.10	0.22	0.20	0.00	0.50
<i>Liberto</i>	0.12	0.12	0.04	1.51	0.12	0.21	0.26	0.66	0.03	0.16
<i>Astrid</i>	0.24	0.25	0.11	1.02	0.04	0.08	0.21	0.14	0.00	0.03
<i>Calypso</i>	0.16	0.06	0.10	1.18	0.02	0.19	0.11	0.05	0.05	0.17
<i>Libra</i>	0.09	0.10	0.01	1.75	0.08	0.16	0.06	0.39	0.02	0.31
<i>Typhoon</i>	0.37	0.10	0.15	2.13	0.00	0.02	0.18	0.07	0.02	0.29
<i>OO90</i>	0.00	0.02	0.04	0.58	0.12	0.34	0.08	0.16	0.00	0.24
SED (df= 35)	0.081	0.067	0.081	0.258	0.068	0.110	0.069	0.117	0.024	0.087
LSD 5%	0.164	0.136	0.164	0.524	0.138	0.223	0.141	0.238	0.049	0.177
Significance	**	*	NS	***	NS	NS	NS	***	NS	***

COMMERCIAL - IN CONFIDENCE

HRI EFFORD - FRUIT DISORDER ASSESSMENT

WEEK NUMBER 39

COMMERCIAL - IN CONFIDENCE

Variety	Boxiness	Nippling	Ribbing	Slab Sided	Radial Cracking	Netting	Gold Spot	Gold Marbling	Red Noses	Blotchy Ripening
<i>Pronto</i>	0.05	0.00	0.09	0.75	0.00	0.24	0.12	0.92	0.07	0.10
<i>Gourmet</i>	0.07	0.02	0.00	0.87	0.00	0.17	0.18	0.22	0.02	0.43
<i>Liberto</i>	0.13	0.12	0.05	1.21	0.00	0.09	0.31	0.58	0.15	0.14
<i>Astrid</i>	0.10	0.08	0.07	0.87	0.20	0.15	0.22	0.07	0.00	0.15
<i>Calypso</i>	0.03	0.02	0.04	0.66	0.00	0.01	0.17	0.15	0.07	0.27
<i>Libra</i>	0.17	0.16	0.05	1.32	0.02	0.03	0.17	0.17	0.03	0.56
<i>Typhoon</i>	0.35	0.10	0.27	1.91	0.00	0.11	0.30	0.26	0.10	0.14
<i>OO90</i>	0.00	0.01	0.00	0.56	0.03	0.31	0.18	0.17	0.02	0.00

SED (df= 35)	0.090	0.050	0.088	0.205	0.048	0.138	0.096	0.150	0.060	0.096
LSD 5%	0.183	0.102	0.179	0.416	0.097	0.280	0.195	0.305	0.122	0.195
Significance	*	*	NS	***	**	NS	NS	***	NS	***

APPENDIX 5.

Disorder Assessment results for the trial at HRI Stockbridge House. Fortnightly means and associated levels of significance for weeks 35 to 39.

N.S. Not significant.

* Significant at 5% level of confidence (P = <0.05)

** Significant at 1% level of confidence (P = <0.01)

*** Significant at 0.1% level of confidence (P = <0.001)

HRI STOCKBRIDGE HOUSE

FRUIT DISORDER ASSESSMENT

WEEK NUMBER 35

Variety	Boxiness	Nippling	Ribbing	Slab Sided	Radial Cracking	Netting	Gold Spot	Gold Marbling	Red Noses	Blotchy Ripening
<i>Pronto</i>	0	0.48	1.02	1.39	1.13	2.14	2.76	2.13	1.07	1.07
<i>Gourmet</i>	0	0.47	1.07	1.17	1.37	2.07	1.67	2.37	0.77	1.13
<i>Liberto</i>	0.14	0.49	1.14	1.94	1.37	2.19	2.37	2.30	0.83	0.96
<i>Astrid</i>	0	0.63	1.03	1.23	1.73	2.50	2.47	2.20	0.77	0.93
<i>Calypso</i>	0	0.47	1.17	0.80	1.13	2.33	1.97	2.07	0.87	0.90
<i>Libra</i>	0.002	0.36	1.08	1.01	1.57	2.29	2.17	2.30	1.24	1.23
<i>Typhoon</i>	0.03	0.51	1.26	1.65	0.80	1.94	3.00	2.37	0.97	0.77
<i>OO90</i>	0	0.05	1.15	0.32	1.47	2.78	2.96	2.14	0.77	0.97
<i>Spectra</i>	0.002	0.32	1.11	0.61	1.67	2.69	1.53	2.63	1.37	0.96

COMMERCIAL IN CONFIDENCE

SED (df = 31)	0.032	0.129	0.151	0.241	0.264	0.256	0.270	0.204	0.195	0.224
LSD 5%	0.07	0.26	0.31	0.49	0.60	0.52	0.55	0.42	0.40	0.46
Significance	**	**	NS	***	*	NS	***	NS	*	NS

HRI STOCKBRIDGE HOUSE

FRUIT DISORDER ASSESSMENT

WEEK NUMBER 37

COMMERCIAL - IN CONFIDENCE

Variety	Boxiness	Nipping	Ribbing	Slab Sided	Radial Cracking	Netting	Gold Spot	Gold Marbling	Red Noses	Blotchy Ripening
<i>Pronto</i>	0	0.26	0.99	0.78	1.72	2.39	0.55	1.94	1.02	0.79
<i>Gourmet</i>	0	0.34	1.07	1.12	1.68	2.56	0.55	2.01	1.08	1.17
<i>Liberto</i>	0	0.34	1.17	1.67	1.58	2.36	0.95	2.16	1.08	1.52
<i>Astrid</i>	0	0.26	1.14	1.03	1.67	2.24	1.15	1.89	0.32	1.04
<i>∞ Calypso</i>	0	0.29	1.27	0.87	1.08	2.16	1.15	1.76	0.98	1.27
<i>Libra</i>	0	0.34	1.07	1.67	1.48	2.16	0.60	2.16	0.68	1.12
<i>Typhoon</i>	0	0.23	1.07	2.41	0.79	1.89	0.84	1.63	0.64	1.07
<i>0090</i>	0	0.03	0.92	0.31	1.19	2.54	0.84	1.93	1.04	1.27
<i>Spectra</i>	0	0.22	0.98	1.09	1.66	2.76	0.61	2.37	0.86	0.93

SED (df = 31)	0	0.148	0.101	0.283	0.325	0.244	0.227	0.273	0.231	0.408
LSD 5%	0	0.30	0.21	0.59	0.66	0.49	0.46	0.55	0.48	0.83
Significance	NS	NS	NS	***	NS	NS	NS	NS	*	NS

HRI STOCKBRIDGE HOUSE

FRUIT DISORDER ASSESSMENT

WEEK NUMBER 39

COMMERCIAL - IN CONFIDENCE

Variety	Boxiness	Nippling	Ribbing	Slab Sided	Radial Cracking	Netting	Gold Spot	Gold Marbling	Red Noses	Blotchy Ripening
<i>Pronto</i>	0	0.20	0.88	0.60	1.86	2.54	1.00	1.66	0.89	0.74
<i>Gourmet</i>	0	0.08	0.84	0.36	1.40	2.48	0.44	2.20	0.76	0.64
<i>Liberto</i>	0	0.32	0.76	1.20	1.34	2.34	1.85	1.75	0.63	0.74
<i>Astrid</i>	0	0.32	0.68	0.52	1.08	1.96	1.20	1.72	0.36	0.76
<i>Calypso</i>	0	0.04	1.04	0.48	1.08	2.24	0.68	1.60	0.68	0.48
<i>Libra</i>	0	0.48	0.72	0.72	0.94	2.18	0.41	2.07	0.67	0.70
<i>Typhoon</i>	0	0.32	1.16	1.56	0.66	1.74	1.16	1.58	0.33	0.30
<i>OO90</i>	0	0.04	0.80	0.44	1.74	2.70	1.60	1.62	0.69	0.98
<i>Spectra</i>	0	0.16	0.92	0.60	1.14	2.34	0.61	1.79	0.87	0.78

SED (df = 31)	0	0.136	0.182	0.286	0.314	0.300	0.277	0.191	0.206	0.240
LSD 5%	0	0.28	0.37	0.58	0.64	0.61	0.57	0.39	0.42	0.49
Significance	NS	*	NS	*	*	NS	***	*	NS	NS

APPENDIX 6

Shelf life and chemical composition data for the trial at HRI Efford. Fortnightly means and associated levels of significance for weeks 35 to 39.

N.S.	Not significant
*	Significant at 5% level of confidence ($P = <0.05$)
**	Significant at 1% level of confidence ($P = <0.01$)
***	Significant at 0.1% level of confidence ($P = <0.001$)

HRI EFFORD**SHELF LIFE ASSESSMENT****WEEK NUMBER 35**

Variety	Compression (mm)	End Point pH	% Soluble Solids	% Weight Loss (6 days)	% Dry Weight
<i>Pronto</i>	2.67	8.06	4.49	2.71	6.18
<i>Gourmet</i>	2.67	7.96	4.82	2.35	6.56
<i>Liberto</i>	2.96	8.39	4.41	2.80	6.13
<i>Astrid</i>	3.02	8.93	4.36	2.43	5.89
<i>Calypso</i>	2.94	7.79	4.62	2.24	6.28
<i>Libra</i>	3.05	7.82	4.54	2.56	6.15
<i>Typhoon</i>	2.71	8.00	4.38	2.52	6.03
<i>0090</i>	2.63	8.37	4.38	2.64	6.13
SED (d.f=35)	0.099	0.189	0.084	0.267	0.096
LSD 5%	0.210	0.384	0.171	0.542	0.195
Significance	***	***	***	N.S.	***

HRI EFFORD**SHELF LIFE ASSESSMENT****WEEK NUMBER 37**

Variety	Compression (mm)	End Point pH	% Soluble Solids	% Weight Loss (6 days)	% Dry Weight
<i>Pronto</i>	2.70	8.03	4.39	3.03	6.27
<i>Gourmet</i>	2.78	8.25	4.73	2.73	6.41
<i>Liberto</i>	2.90	8.37	4.26	2.72	6.04
<i>Astrid</i>	2.87	9.29	4.15	2.61	5.95
<i>Calypso</i>	2.81	7.87	4.54	2.46	6.37
<i>Libra</i>	2.89	7.73	4.51	2.64	6.26
<i>Typhoon</i>	2.69	8.04	4.34	2.37	6.09
<i>0090</i>	2.56	8.53	4.35	2.99	6.16
SED (d.f=35)	0.085	0.232	0.081	0.169	0.099
LSD 5%	0.173	0.471	0.164	0.343	0.201
Significance	*	***	***	*	***

HRI EFFORD

SHELF LIFE ASSESSMENT

WEEK NUMBER 39

Variety	Compression (mm)	End Point pH	% Soluble Solids	% Weight Loss (6 days)	% Dry Weight
<i>Pronto</i>	2.80	9.60	3.88	2.27	5.82
<i>Gourmet</i>	2.88	9.47	4.31	2.22	6.09
<i>Liberto</i>	2.98	10.06	3.85	2.13	5.66
<i>Astrid</i>	3.02	10.06	3.79	2.14	5.60
<i>Calypso</i>	3.25	9.51	4.13	1.88	5.99
<i>Libra</i>	3.01	8.64	3.96	2.27	5.75
<i>Typhoon</i>	2.88	9.83	3.88	1.96	5.76
<i>0090</i>	2.59	9.28	3.86	2.52	5.67
SED (d.f=35)	0.058	0.253	0.065	0.117	0.086
LSD 5%	0.118	0.514	0.132	0.238	0.175
Significance	***	***	***	***	***

APPENDIX 7

Shelf life and chemical composition data for the trial at HRI Stockbridge House. Fortnightly means and associated levels of significance for weeks 35 to 39.

N.S.	Not significant
*	Significant at 5% level of confidence (P = <0.05)
**	Significant at 1% level of confidence (P = <0.01)
***	Significant at 0.1% level of confidence (P = <0.001)

HRI STOCKBRIDGE HOUSE

SHELF LIFE ASSESSMENT

WEEK NUMBER 35

Variety	Compression (mm)	End Point pH	% Soluble Solids	% Weight Loss (6 days)	% Dry Weight
<i>Pronto</i>	2.76	7.57	4.99	3.72	4.97
<i>Gourmet</i>	2.71	7.29	5.38	2.79	5.33
<i>Liberto</i>	2.82	7.55	4.83	3.09	4.91
<i>Astrid</i>	3.16	8.54	4.80	3.76	4.77
<i>Calypso</i>	2.93	7.23	5.14	2.97	5.25
<i>Libra</i>	3.07	7.39	5.19	3.24	5.11
<i>Typhoon</i>	2.73	7.37	5.03	2.85	5.06
<i>0090</i>	2.42	8.05	4.87	3.63	5.07
<i>Spectra</i>	2.85	7.36	5.09	3.90	5.12
SED (df = 31)	0.121	0.182	0.149	0.313	0.127
LSD 5%	0.25	0.37	0.30	0.64	0.26
Significance	***	***	**	**	**

HRI STOCKBRIDGE HOUSE

SHELF LIFE ASSESSMENT

WEEK NUMBER 37

Variety	Compression (mm)	End Point pH	% Soluble Solids	% Weight Loss (6 days)	% Dry Weight
<i>Pronto</i>	2.61	7.65	4.77	4.06	5.36
<i>Gourmet</i>	2.61	7.44	5.43	2.95	5.98
<i>Liberto</i>	2.77	7.40	4.78	3.27	5.61
<i>Astrid</i>	2.77	8.67	4.67	3.30	5.34
<i>Calypso</i>	2.69	7.28	4.91	3.25	5.60
<i>Libra</i>	2.86	7.52	4.86	3.67	5.43
<i>Typhoon</i>	2.53	7.62	4.74	2.53	5.51
<i>0090</i>	2.34	8.17	4.64	3.78	5.51
<i>Spectra</i>	2.72	7.43	4.79	4.37	5.58
SED (df = 31)	0.132	0.202	0.132	0.356	0.152
LSD 5%	0.27	0.42	0.27	0.74	0.31
Significance	*	***	***	***	*

HRI STOCKBRIDGE HOUSE

SHELF LIFE ASSESSMENT

WEEK NUMBER 39

Variety	Compression (mm)	End Point pH	% Soluble Solids	% Weight Loss (6 days)	% Dry Weight
<i>Pronto</i>	3.34	7.94	4.39	5.68	5.02
<i>Gourmet</i>	3.31	8.32	4.70	4.22	5.49
<i>Liberto</i>	3.44	7.75	4.23	4.37	5.11
<i>Astrid</i>	3.53	8.32	4.06	4.38	4.97
<i>Calypso</i>	3.29	7.49	4.50	4.41	5.30
<i>Libra</i>	3.50	7.78	4.33	3.80	5.10
<i>Typhoon</i>	3.01	7.92	4.17	3.19	5.03
<i>0090</i>	2.97	8.03	4.27	6.01	5.10
<i>Spectra</i>	3.33	7.58	4.39	5.46	5.15
SED (df = 31)	0.148	0.282	0.125	0.523	0.155
LSD 5%	0.30	-	0.25	1.07	-
Significance	**	N.S.	***	***	N.S.

APPENDIX 8

Shelf life and chemical composition data for the Southern Commercial sites. Fortnightly means across the sites. Fortnightly means across the sites VHB, Arreton Valley and J Hall, and associated levels of significance to weeks 35 to 39.

N.S.	Not significant
*	Significant at 5% level of confidence ($P = <0.05$)
**	Significant at 1% level of confidence ($P = <0.01$)
***	Significant at 0.1% level of confidence ($P = <0.001$)

COMMERCIAL GROWERS

SHELFLIFE ASSESSMENT

WEEK NUMBER 35

Variety	Compression (mm)	End Point pH	% Soluble Solids	% Weight Loss (6 days)	% Dry Weight
<i>Pronto</i>	3.03	8.25	4.68	3.01	-
<i>W2101</i>	2.97	8.39	5.18	2.41	-
<i>Liberto</i>	3.02	8.74	4.48	2.40	-
<i>Astrid</i>	3.05	9.15	4.67	2.71	-
<i>Calypso</i>	2.99	8.19	4.85	2.35	-
<i>Libra</i>	3.28	8.14	4.80	2.64	-
<i>Typhoon</i>	3.09	8.65	4.70	2.97	-
<i>0090</i>	2.82	8.65	4.52	2.99	-
SED (d.f. = 14)	0.108	0.240	0.097	0.408	-
LSD 5%	0.232	0.515	0.208	0.875	-
Significance	N.S.	*	***	N.S.	-

COMMERCIAL GROWERS

SHELFLIFE ASSESSMENT

WEEK NUMBER 37

Variety	Compression (mm)	End Point pH	% Soluble Solids	% Weight Loss (6 days)	% Dry Weight
<i>Pronto</i>	2.79	7.80	4.40	3.19	6.41
<i>W2101</i>	2.95	7.90	4.85	2.98	6.78
<i>Liberto</i>	2.87	7.87	4.50	3.11	6.57
<i>Astrid</i>	3.08	8.17	4.57	2.91	6.42
<i>Calypso</i>	2.91	7.62	4.60	2.59	6.64
<i>Libra</i>	3.08	7.65	4.53	2.88	6.56
<i>Typhoon</i>	2.73	7.89	4.42	2.49	6.42
<i>0090</i>	2.71	8.36	4.30	3.07	6.35
SED (d.f.=14)	0.091	0.209	0.117	0.414	0.199
LSD 5%	0.195	0.448	0.251	0.888	0.427
Significance	**	*	*	N.S.	N.S.

COMMERCIAL GROWERS

SHELFLIFE ASSESSMENT

WEEK NUMBER 39

Variety	Compression (mm)	End Point pH	% Soluble Solids	% Weight Loss (6 days)	% Dry Weight
<i>Pronto</i>	2.92	8.56	4.52	2.65	6.37
<i>W2101</i>	3.01	8.58	4.75	2.30	6.43
<i>Liberto</i>	2.99	8.50	4.42	2.56	6.32
<i>Astrid</i>	3.33	9.23	4.40	2.47	6.06
<i>Calypso</i>	3.11	7.82	4.77	2.23	6.50
<i>Libra</i>	3.23	7.72	4.80	2.50	6.41
<i>Typhoon</i>	2.95	8.26	4.57	2.03	6.39
<i>0090</i>	2.68	8.48	4.62	2.53	6.50
SED (d.f.=14)	0.087	0.354	0.113	0.217	0.136
LSD 5%	0.187	0.759	0.242	0.465	0.292
Significance	***	*	*	N.S.	N.S.

APPENDIX 9

Taste panel results for HRI Efford and Stockbridge House for 25 September 1992.

HRI EFFORD

TASTE PANEL RESULTS - 25 SEPTEMBER 1992

Variety	Sweetness	Sharpness	Firmness	Overall Flavour
<i>Pronto</i>	0.25 (3)	-0.75 (7)	0.00 (5)	0.12 (5)
<i>Gourmet</i>	-0.13 (5)	-0.88 (8)	-0.88 (8)	1.50 (1)
<i>Liberto</i>	0.25 (3)	-0.50 (6)	0.13 (4)	1.00 (2)
<i>Astrid</i>	-0.38 (6)	0.25 (3)	0.25 (3)	-2.13 (8)
<i>Calypso</i>	0.75 (2)	-0.38 (5)	-0.13 (6)	-0.50 (6)
<i>Libra</i>	-0.88 (8)	1.63 (1)	-0.38 (7)	0.13 (4)
<i>Typhoon</i>	0.88 (1)	0.25 (3)	0.38 (2)	0.75 (3)
<i>0090</i>	-0.75 (7)	0.38 (2)	0.63 (1)	-0.88 (7)
SED (d.f=48)	0.912	0.745	0.712	1.128

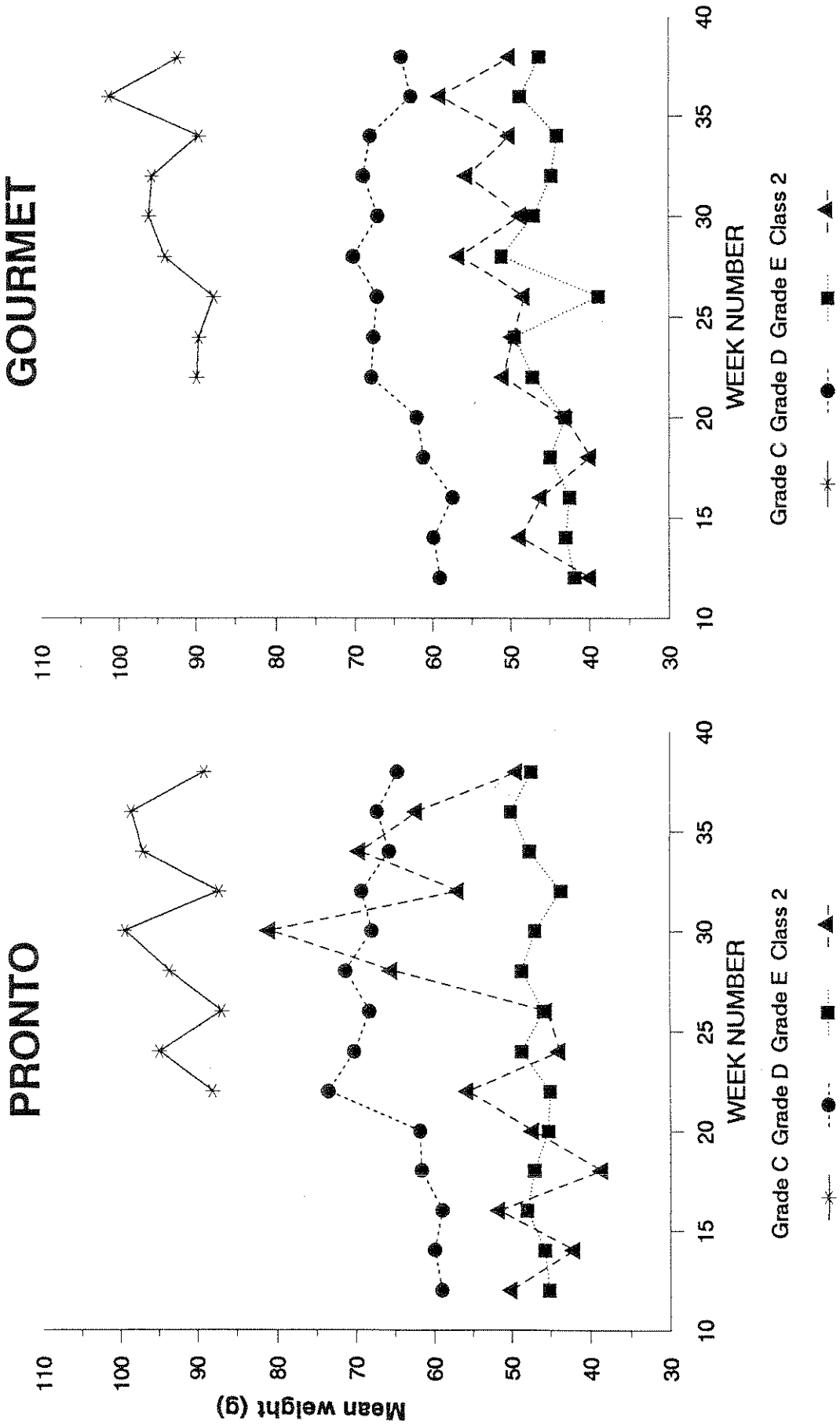
HRI STOCKBRIDGE HOUSE**TASTE PANEL RESULTS - 25 SEPTEMBER 1992**

Variety	Sweetness	Sharpness	Firmness	Overall Flavour
<i>Pronto</i>	0.75 (3)	-0.50 (5)	0.63 (1)	0.88 (2)
<i>Gourmet</i>	1.75 (1)	-1.38 (8)	-0.63 (8)	0.50 (3)
<i>Liberto</i>	1.25 (2)	1.00 (2)	-0.50 (7)	1.25 (1)
<i>Astrid</i>	-1.25 (7)	0.13 (3)	0.50 (2)	-1.13 (8)
<i>Calypso</i>	-0.25 (5)	0.00 (4)	-0.38 (6)	0.00 (5)
<i>Libra</i>	-1.25 (7)	-0.50 (5)	0.25 (3)	-1.00 (7)
<i>Typhoon</i>	0.13 (4)	-0.50 (5)	0.12 (4)	-0.88 (6)
<i>0090</i>	-1.13 (6)	1.75 (1)	0.00 (5)	0.38 (4)
SED (d.f=48)	0.709	0.963	0.558	0.996

APPENDIX 11.

Average fruit weights within grades at HRI Efford.

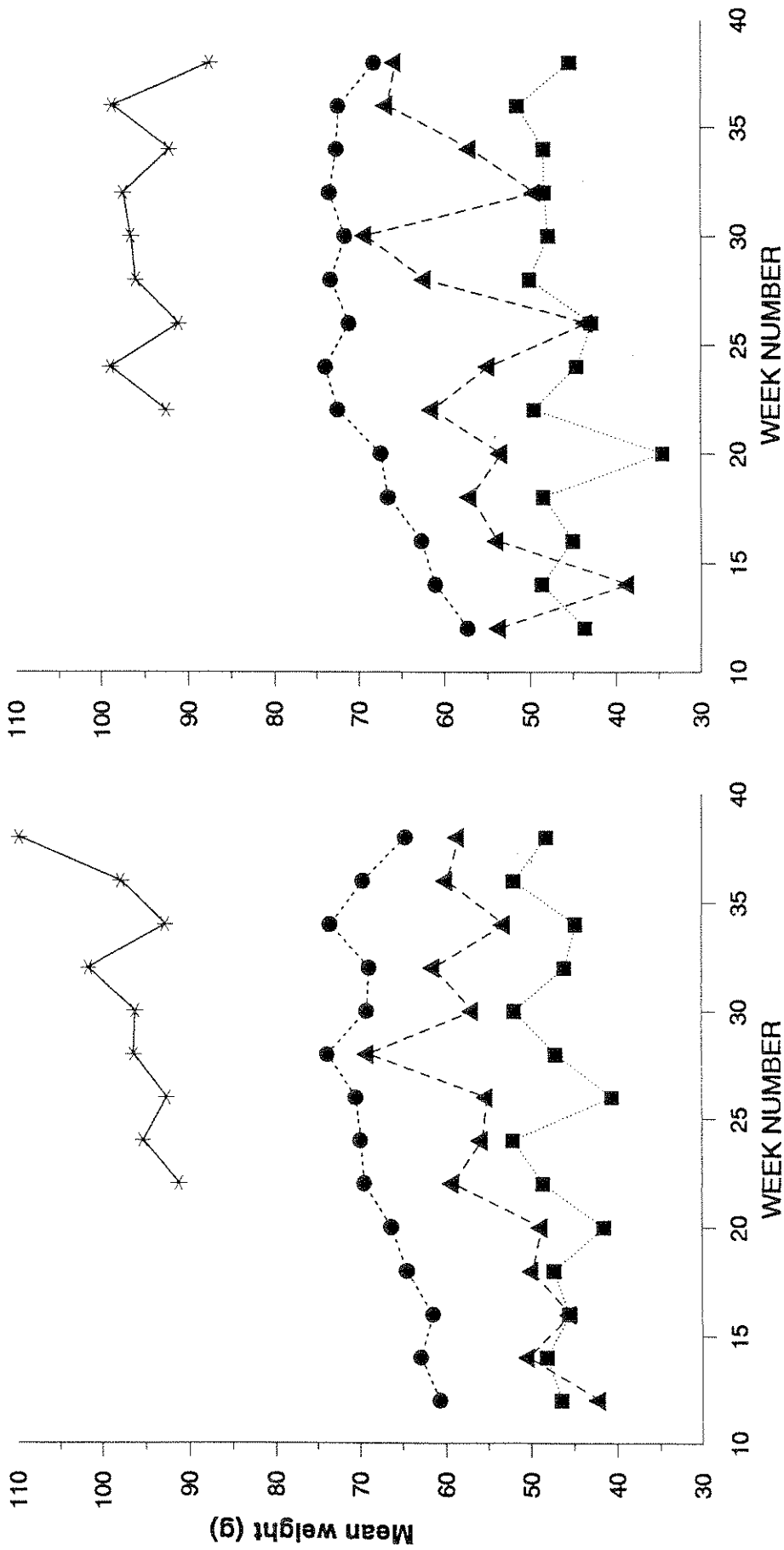
Average fruit weight within grade



Average fruit weight within grade

LIBERTO

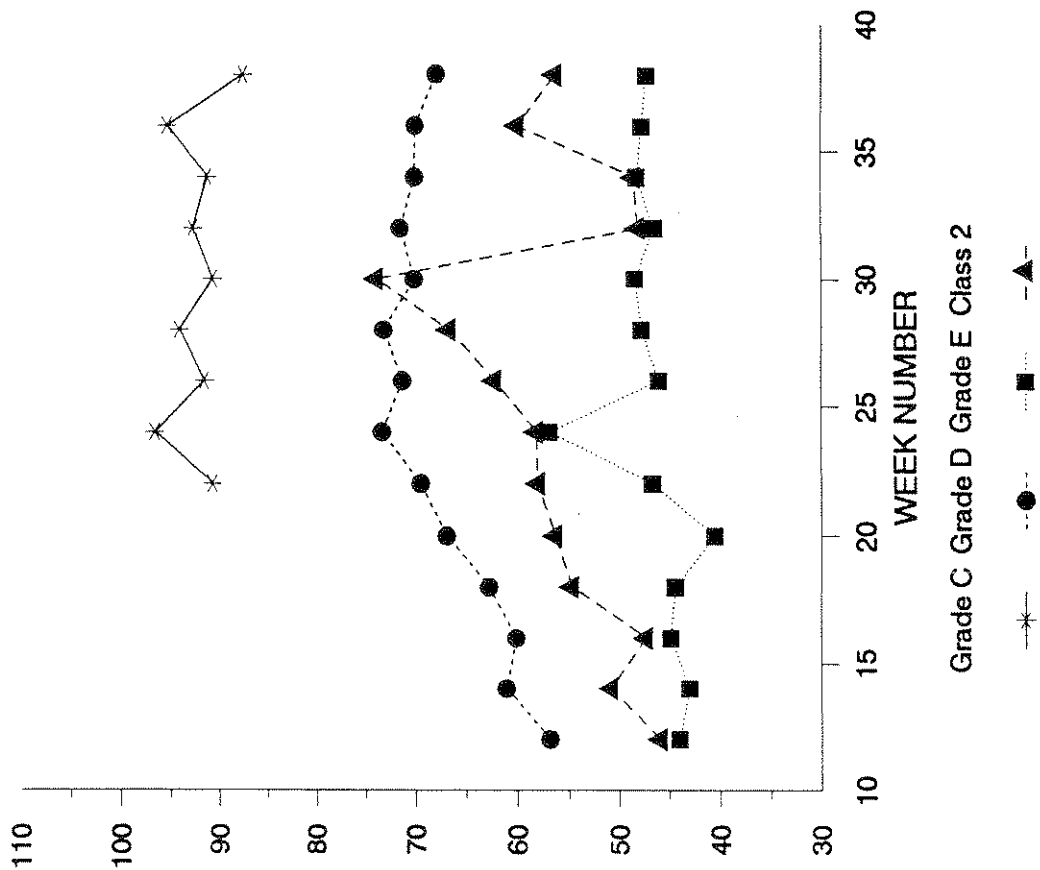
ASTRID



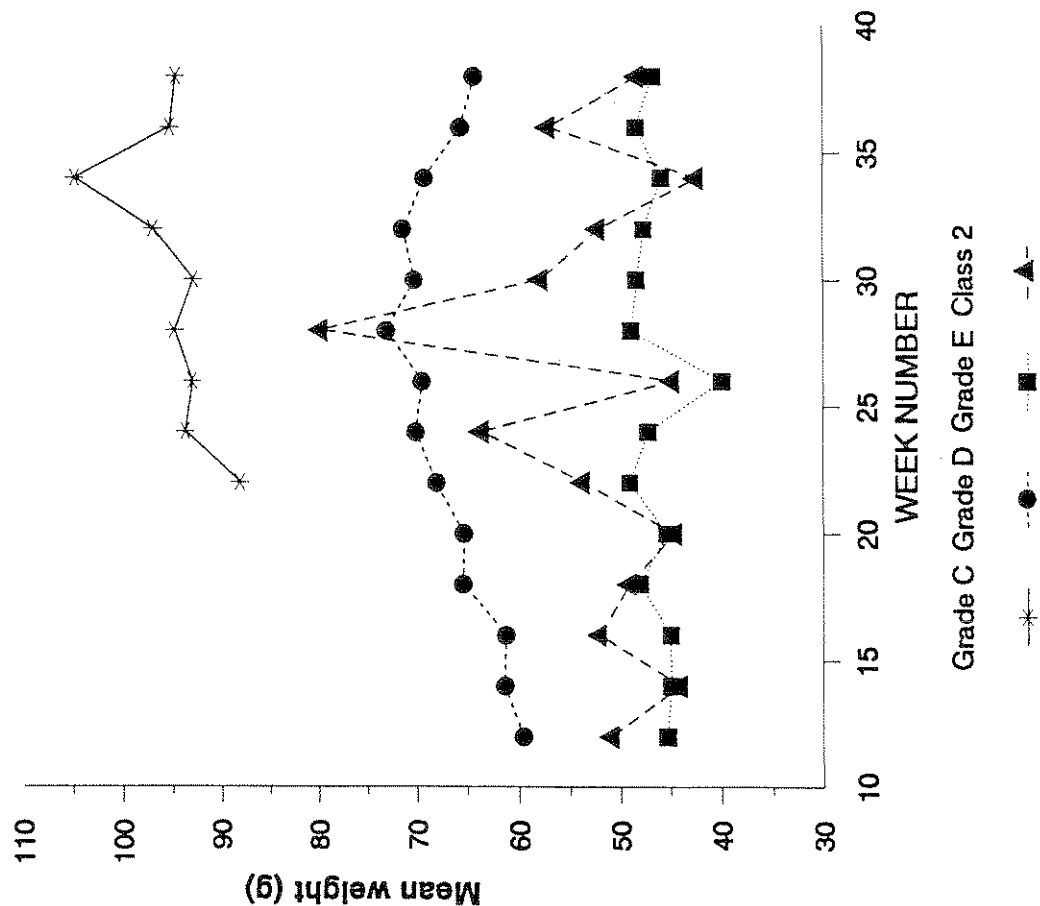
Grade C Grade D Grade E Class 2

Grade C Grade D Grade E Class 2

Average fruit weight within grade LIBRA

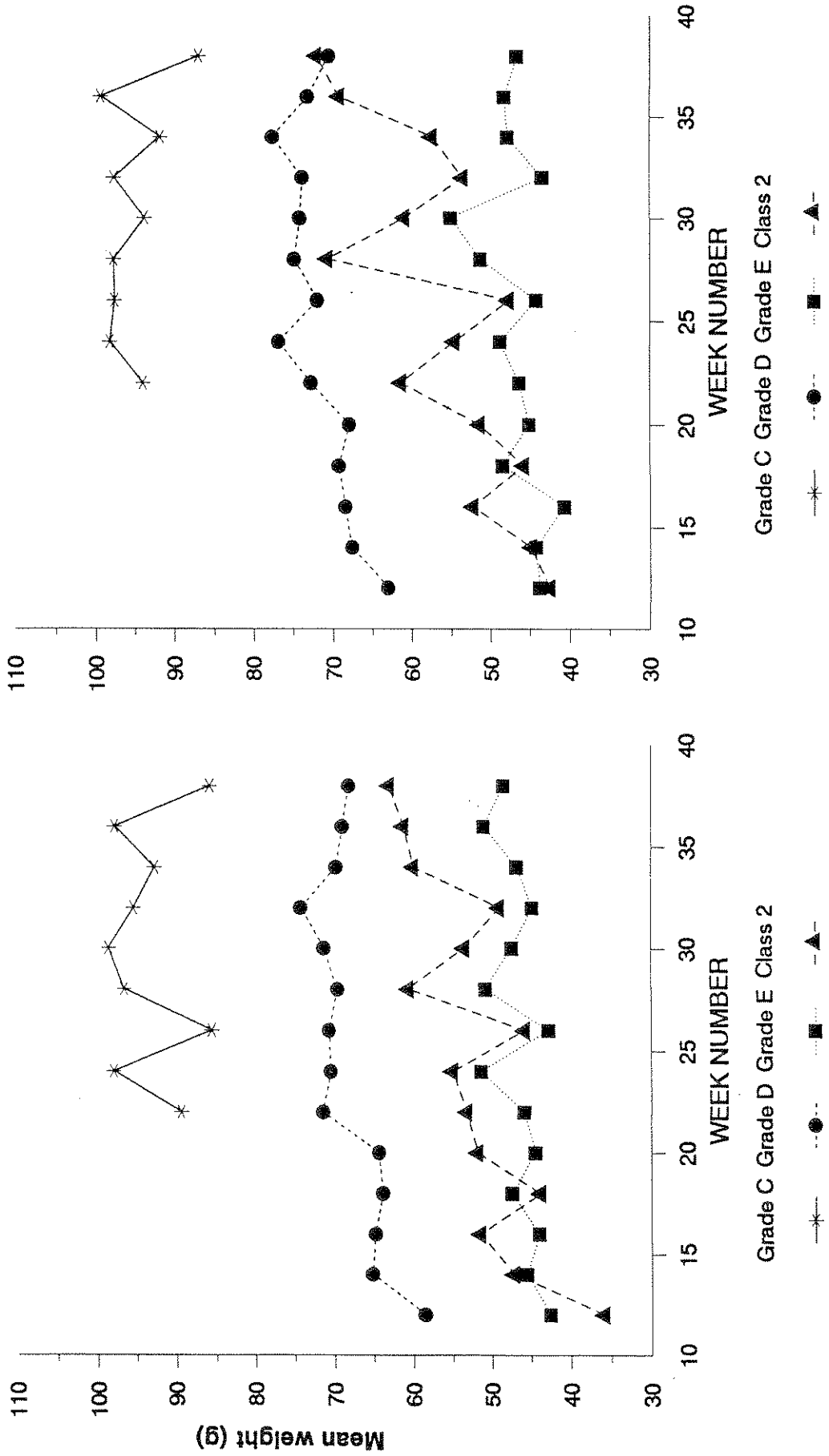


Average fruit weight within grade CALYPSO



Average weight within grade

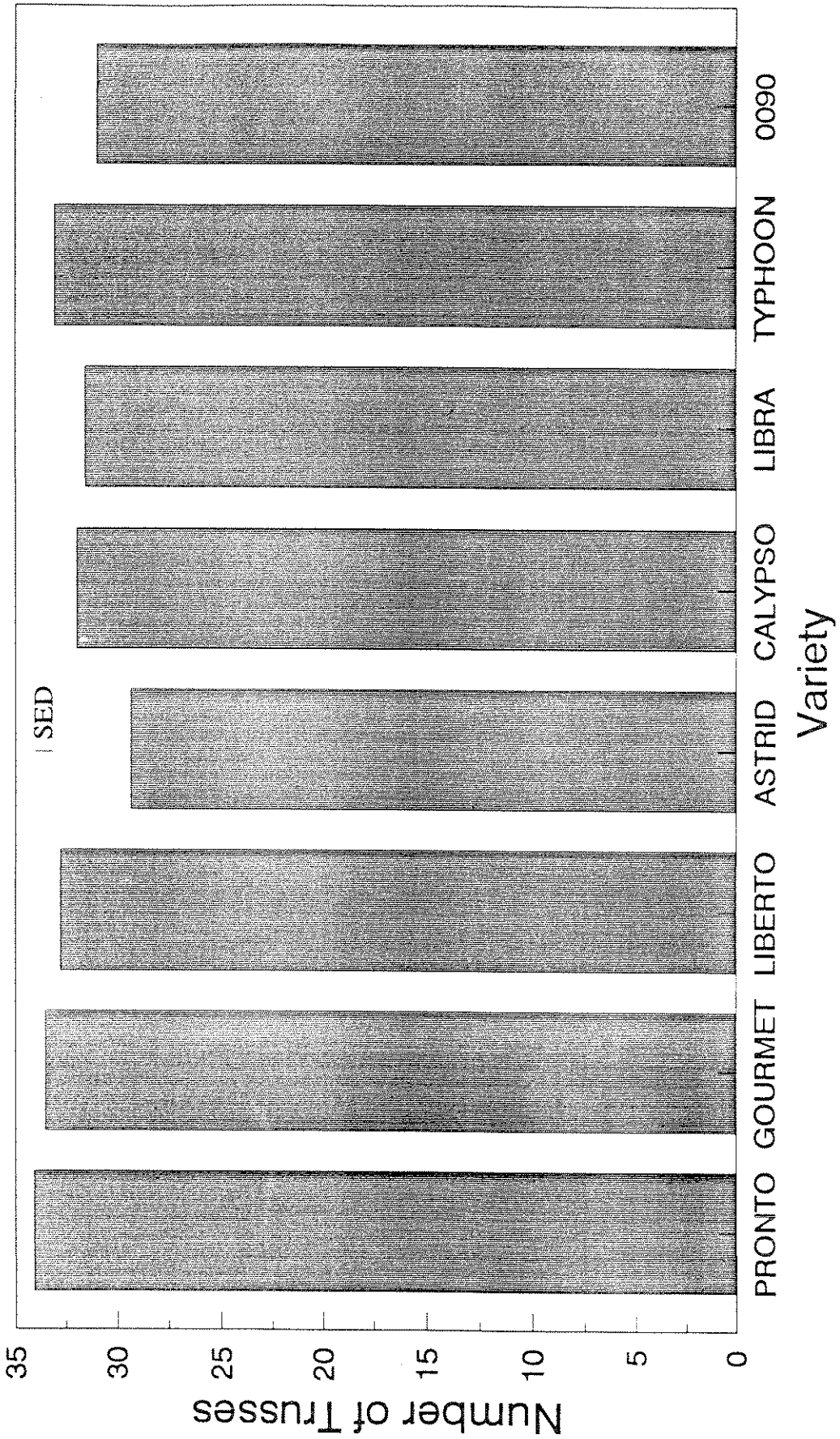
TYPHOON 0090



APPENDIX 12.

End of season average number of trusses per plant at HRI Efford.

Appendix 12.
End of season Number of Trusses per plant



APPENDIX 13.

End of season average plant length at HRI Efford.

Appendix 13.
End of season Plant Length

