

VEGETABLE

VARIETY TRIALS
1978

PRELIMINARY RESULTS

LEEK

ONION

LETTUCE

CHERVIL

CAULIFLOWER

RADISH

TURNIP

TOMATO

SWEET PEPPER

EGG-PLANT

PICKLING CUCUMBER

SQUASH

MELON

WATERMELON

SWEET CORN

Department of Vegetable Crops
Agricultural University of Norway
P.O.B. 22, N-1432 Ås-NLH, Norway

January 1979

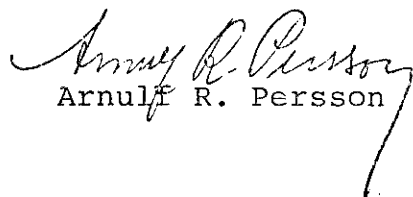
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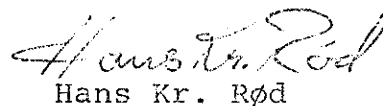
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INTRODUCTION

Part of the work at the Department of Vegetable Crops at the Agricultural University of Norway, is testing of new varieties and introduction of new kinds of vegetables. This publication deals with the results of some variety trials performed 1978.

We wish to express our sincere thanks to the many companies who provided us with seed for trials. In some cases the firm named in the tables of results may not be the primary seed producer, but a retailing agent.

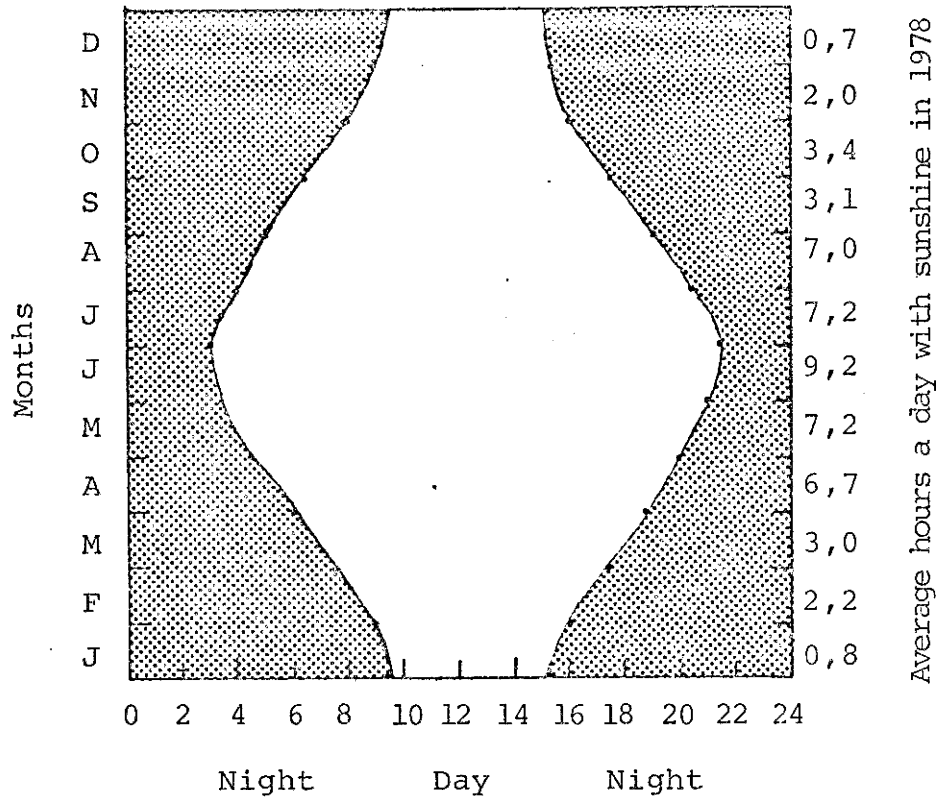

Arnulf R. Persson


Hans Kr. Rød

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THE GRAPH SHOWS HOURS A DAY THE SUN IS ABOVE THE SKYLINE THROUGH THE YEAR IN ÅS - 60°N



WEATHER DATA FOR MAY - SEPTEMBER 1978 - ÅS IN NORWAY

		1978	Last year	Long-term 1931-60
Rainfall (mm)	May	15,5	35	49
	June	61,5	86	70
	July	108,1	67	79
	August	67,0	46	96
	September	79,1	59	86
Sunshine (hrs.)	May	222,2	292,3	240,6
	June	232,0	285,1	304,6
	July	223,3	303,2	269,5
	August	217,1	229,1	258,9
	September	94,0	210,6	155,3
Average temp. (°C)	May	11,0	10,9	10,2
	June	15,5	14,9	14,4
	July	14,7	15,7	16,8
	August	14,3	15,0	15,6
	September	8,8	9,9	10,9

FRØLEVERANDØRER

AH A. Hansens Amagerfrø, Postbox 3, DK-2630 Tåstrup, Danmark.
ARZ A.R. Zwaan & Son, Voorburg, Haag, Nederland.
ASG Asgrow International Corp. subsidiary of The Upjohn Comp.
Kalamazoo, Michigan 49001, USA.
ASM Asmer Seeds Ltd., Asmer House, Ash Street, Leicester,
LE5 ODD, England.
BALL Geo. J. Ball, Inc., West Chicago, Illinois 60185, USA.
B W. Bortherton Seed Co., Inc. P.O.B. 1378, Moses Lake,
Washington, USA.
BEJO Noordscharwoude-Holland. Sammenslutning av BEM og
Jacob Jong.
BEM C. Beemsterboer N.V., Postbus 2, Warmenhuizen, Nederland.
BGP Bundesforschungsanstalt für gartenbauliche Pflanzenzüchtung,
Bornkampsweg, 207 Ahrensburg/Holst., Vest-Tyskland (DBR).
BHM Ernst Benary, Göttinger Strasse 3510, Hann Münden 1,
Vest-Tyskland (DBR).
BRU BruinsmaSelectiebedrijven B.V., P.O.B. 24, Naaldwijk,
Nederland.
BSA Bundessortenamt, Rathausplatz 1, D-3000 Hannover 72,
Vest-Tyskland (DBR).
CHA Charter Research, Inc., P.O.B. 787, Caldwell, Idaho
83605, USA.
CS Charles Sharpa & Co., Ltd., Sleaford, Lincs, England.
DES Dessert Seed Co., Inc., P.O.B. 181, El Centro, California
92243, USA.
DP D. van der Ploeg's Elite Zaden N.V., Postbus 19, NL-3220
Barendrecht, Nederland.
DSG VEE Saat- und Pflanzengut, 43 Quedlingsburg-Harz, Øst-
Tyskland (DDR).
ENZA=ENK De Enkhuizer Zaadhandel B.V., Postbus 7, Enkhuizen,
Nederland.
ES Elsom's Seeds Ltd., Spalding, Lincolnshire, PE 111QG,
England.
FM Ferry-Morse Seed Co., Inc., P.O.B. 100, Mountain View,
California 94040, USA.
GCRI Glasshouse Crops Research Institute, Rustington, Little-
hampton, Sussex, England.
GRI Grimstadfrø A/S, 4890 Grimstad.
HAR Joseph Harris Co., Inc., Moreton Farm, Rochester, N.Y.
14624, USA.
HHf Hans Hoffmann, Bahnhofplatz 1, D-8550 Forchheim, Vest-
Tyskland (DBR).
HILD=KH Karl Hild, Marbach am Neckar, Vest-Tyskland (DBR).
BUC Benson University of California
HM Hans Meisert Samenzucht Podbielskistr. 409, 3 Hannover-
Buchholz, Vest-Tyskland (DBR)
HOLMES Holmes Seed Co., Canton, Ohio, USA.
=HSC
HS Holland-Select B.V., P.O.B. 27, Andijh, Nederland.
HU Algot Holmbergs Utsädesförädling, Norrköping, Sverige.
HGC Hurst Gunson Cooper Taber Ltd., Witham, Essex, England.
IH Inst. de Haaff (H. Toxopeus), Postbus 117, Wageningen,
Nederland.
INRA Ministere de l'agriculture station d'amélioration des
plantes maraichères. Domaine Saint-Maurice, F-84140
Montfavet, France.
JON Gebr's de Jong, P.O.B. 35, Goes, Nederland.

LC L. Clause, S.A., 9 Brétigny-sur-Orge, Frankrike.
LD A/S L. Dahnfeldt Havefrø, Postbox 15, DK-5100 Odense,
Danmark.
KEY Keystone Seeds, Inc., P.O.B. 1438, Hollister, California
95023, USA.
LEUT Leüthens frøhandel A/S, Postboks 3928 Leangen, 7001 Trond-
heim.
LOG Økern Torgvei 1, Oslo 5.
MSU Michigan State University, Department of Horticulture, East
Lansing, Michigan 48823, USA.
NF A/S Norsk Frø, Frysjavaeien 40, Oslo 8.
NK Northrup King & Co., 1500 Jackson St., N.E. Minneapolis,
Minnesota 55413, USA.
NSDO National Seed Development Organization, Ltd., Cambridge,
England.
NUN Nunhem's Zaden, P.O.B. 5, Haelen, Nederland.
OEK J.E. Ohlsens Enke, Ny Munkegård, DK-2630 Tåstrup, Danmark.
OST Otis S. Twilley Seed Co., Salisbury, Maryland 21801, USA.
PA C.W. Pannevis' Zaadteelt en Zaadhandel N.V., Postbus 2,
Enkhuizen, Nederland.
PS Petoseed Co, Inc., P.O.B. 4206, Saticoy, California 93003,
USA.
RB Rogers Brothers Seed Co., P.O.B. 1647, Idaho Falls, Idaho
83401, USA.
ROG Gebrüder Roggli A.G., Dorfstr. 36, CH-3652 Hilterfingen BE,
Sveits.
RS Royal Sluis, Postbus 22, Enkhuizen, Nederland.
RZ Rijk Zwaan's Zaadteelt en Zaadhandel B.V., Postbus 40,
De Lier, Nederland.
RÅ Statens gartnerskole Rå, 9410 Borkenes.
SAK T. Sakata & Co., C.P.O. Box No. 11, 2, Kiribatake,
Kanagawa-ku, Yokohama, Japan 220-91.
SCHÄF Karl Schäfer Samenzucht, Postfach 837, 34 Göttingen, Vest-
Tyskland (DBR).
S&G N.V. Koninlijke Zaadteelt en Zaadhandel, Sluis & Groot,
Postbus 13, Enkhuizen, Nederland.
SPER Carl Sperling & Co., Postfach 2460, 314 Lüneburg, Vest-
Tyskland, (DBR).
SRG Sanderød Gård, 1692 Nedgården.
STO Stokes Seeds Ltd., P.O.B. 10, St. Catharines, Ontario,
Canada.
SUH Sveriges Utsädesförening, Hammenhögsavdelningen, S-270 50
Hammenhög, Sverige.
SUS Sveriges Utsädesförening, Svalöf, Sverige.
SW Seedway, Inc., Hall, New York 14463, USA.
TA Takii & Co., Ltd., Seed Growers, P.O.B. 7, Kyoto Central,
Japan.
TER
T&M Thompson & Morgan (Ipswich) Ltd., London Road, Ipswich,
Suffolk, England.
VDB Gebrüder van den Berg, N.V., Postbus 25, Naaldwijk,
Nederland.
WAV van Waveren & de Bres GMBH, Postfach 75, 34 Göttingen,
Vest-Tyskland (DBR).
WW W. Weibull AB, Fack, S-261 20 Landskrona 1, Sverige.

LEEK VARIETY TRIAL 1978

Variety	Seed supplier	Length of stem in cm	Yield in kg/daa		Per cent Class I
			Total	Class I	
1. King Richard	LEUT	361	3184	2793	87,7
2. Regius Hg	LOG	252	3324	3044	91,6
3. Splendid Enkona	"	248	3392	3231	95,3
4. Longa	OEK	500	3661	2823	77,1
5. Rese	"	261	3809	3513	92,2
6. Titan OE	"	295	3566	3280	92,0
7. Kilima	RS	279	3593	3184	88,6
8. Enormus	VDB	231	3616	3414	94,4
9. Molos	"	224	3860	3440	89,1
10. Balder	WW	314	3599	3392	94,2
11. Long	"	277	3354	3075	91,7
12. Mimer	"	262	3272	3054	93,3

Replications: 3
 Plot size: 7,8 m²
 Seeded: March 21
 Planted: May 30
 Between rows: 65 cm
 Between plants: 10 cm

ONION OBSERVATION TRIAL 1978

Replications: 2

Variety	Seed supplier	Total yield kg/daa	Number harvested		
			% Class I	% Class II	% discarded small/rotten
1. Rijnsburger Robot	ARZ	3480	28,1	59,5	12,4/ 0,0
2. Robot Original	"	3730	76,8	14,3	8,0/ 0,9
3. XP 644	ASG	4070	0,0	51,2	0,0/48,8
4. Robusta	BEM	3900	69,4	25,0	2,8/ 2,8
5. Capable	DES	5980	45,1	48,6	0,7/ 5,6
6. Hybrid PLK	"	3110	80,7	10,9	4,2/ 4,2
7. Hybrid 9010	"	3020	59,8	31,3	5,4/ 3,6
8. Mabol	ENZA	3760	43,2	52,3	4,5/ 0,0
9. Polina	"	3680	3,4	77,8	17,1/ 1,7
10. Waldo	HS	3080	24,6	61,4	11,4/ 2,6
11. Cepria	JON	2470	53,7	34,3	11,1/ 0,9
12. Enormus	"	4480	27,0	67,5	4,8/ 0,8
13. Excellent F ₁	"	4220	35,5	57,0	7,4/ 0,0
14. Number 92	"	4070	34,9	57,1	7,9/ 0,0
15. Sublima	"	2940	44,4	45,3	10,3/ 0,0
16. Heldis	LC	2510	30,4	52,9	13,7/ 2,9
17. King Kong	LD	4370	12,2	82,1	5,7/ 0,0
18. Hygro F ₁	LOG	4510	45,5	52,1	1,7/ 0,8
19. Rijnsburger Idol	OEK	4440	25,2	69,6	4,4/ 0,7
20. Lucrato	RS	2810	69,2	21,5	5,6/ 3,7
21. Rivato	"	4960	44,7	53,8	0,8/ 0,8
22. Jumbo	S&G	4080	46,3	48,5	5,1/ 0,0
23. Robal	"	3120	60,7	36,8	2,6/ 0,0
24. S&G 21	"	2890	78,6	17,9	3,6/ 0,0
25. S&G 0070	"	4560	45,9	45,9	7,4/ 0,7
26. Wijbo	"	5340	53,8	42,3	1,5/ 2,3
27. Spartan Sleeper	STO	2640	37,8	54,1	3,1/ 5,1
28. Hamund 007	SUH	4040	45,7	50,0	4,3/ 0,0
29. Sv D-003, Rize E	"	4120	54,5	37,9	3,8/ 3,8
30. Sv D-011, Rigo	"	3680	53,7	39,5	4,9/ 1,9
31. Sv D-012	"	3550	38,1	44,9	9,5/ 7,5
32. Sv D-015	"	4140	26,5	58,1	13,2/ 2,2
33. 35763	"	3960	32,0	58,6	8,6/ 0,8
34. 45779	"	4880	23,6	67,5	5,7/ 3,3
35. 45785	"	4500	38,5	45,3	8,5/ 7,7
36. Amber Express	TA	1010	37,9	0,0	23,2/38,9
37. Express Yellow	"	1640	46,0	0,0	23,8/30,2
38. Keep Well	"	1710	70,8	0,0	5,3/23,9
39. Kyoto Prolific Yellow	"	4770	51,2	32,0	8,8/ 8,0
40. Takii's Pride	"	4330	56,9	35,8	3,3/ 4,1
41. Top Keeper	"	1690	60,9	0,0	10,1/29,0
42. WAV ZW 123	WAV	5000	27,0	61,1	4,8/ 7,1
43. Zittauer Gelbe	"	1880	29,9	58,2	11,9/ 0,0

Seeded: May 30
 Thinned: July 4
 Harvested: September 12

Between rows: 12 cm
 Between plants: 8 cm
 Plot size: 0,5 m²

Because of late sowing and low temperatures in July, many varieties did not reach full maturity.

HEAD LETTUCE VARIETY TRIAL 1978

Unheated polyethylene tunnel

Variety	Seed supplier	Average head weight grams	Experimental error grams	Intensity of colour 1 - 9	Head formation 1 - 9	Head firmness 1 - 9	Uniformity 1 - 9	Suitable for Norwegian market 1 - 9
1. No. 2244/76	BRU	171	34,2	5,5	5,0	4,5	6,5	6
2. Salina	DP	173	27,1	7,0	6,0	5,5	7,0	7
3. Nordine	ENZA	165	26,6	7,5	7,0	7,0	7,5	8
4. Tardisix	"	156	20,8	7,5	6,5	6,5	7,5	8
5. Augusta	LC	189	41,4	3,5	5,5	4,5	6,5	5
6. Avondefiance	NSDO	160	24,8	6,5	5,0	4,0	7,0	6
7. Rossini	RZ	196	27,1	6,0	5,5	5,0	6,0	6
8. Type 5276 A	"	198	28,1	6,5	7,5	7,0	7,5	7
9. Capitan	S&G	164	30,9	4,5	5,0	4,5	6,0	5
10. Baldina	VDB	176	30,4	4,5	7,5	7,5	6,5	8
11. Daresta	"	152	29,8	7,0	5,0	4,5	6,5	7

Seeded: March 16 in peatblocks

Planted: April 11

Harvested: May 19

Replications: 4

Plot size: 24 plants

Between plants: 18 x 20 cm

Handwritten:
0,86

HEAD AND CRISP LETTUCE VARIETY TRIAL IN OPEN 1978

Replications: 2

Variety	Seed supplier	Days to harvest from planting	Average plant weight grams	Experimental error grams	Intensity of colour 1-9	Head formation 1-9	Head firmness 1-9	Uniformity 1-9	Botrytis cinerea. % of plant number attacked
Head lettuce									
1. Tardisix	ENZA	30	152	21,8	7-8	7	8	7-8	4
2. E 2929	"	28	142	28,6	4	8	8-9	6-7	3
3. Aralca	HS	28	152	29,8	7-8	4	4	5-6	0
4. Appia Original	LC	28	160	25,7	3-4	7	5	8	0
5. Augusta	"	28	170	36,3	5	7	4	6-7	3
6. Plevanos	RZ	24	124	31,6	2-3	5	5	4-5	18
7. Type 5276 A	"	35	151	21,5	7	7	7	7-8	3
8. No. 800	S&G	35	183	25,4	6	6	4-5	7	0
9. Daresta	VDB	35	122	22,8	7-8	4	4	6-7	0
Crisp lettuce									
10. 382/76*	BRU	35	300	46,8	7	8	8	6-7	0
11. EY 1098*	ENZA	35	262	34,4	5-6	8	7	7	0
12. Eissalat	LC	49	296	30,3	5-6	4	4-5	5-6	0
13. Morangold	LD	49	489	79,1	7-8	5-6	4-5	5	10
14. R 2119	OEK	49	492	88,4	7-8	4	4	4-5	7
15. SG L16	S&G	49	481	64,4	7	5	4	4-5	23
16. Alpine	TA	43	426	55,3	8	7	6	7	20

*Too early harvested. Seeded: April 4 in peat blocks. Planted: May 22. Plot size: 5,2 m².
 Between plants: head 1. 18 x 20 cm, crisp 1. 20 x 25 cm. Number of plants in trial: 36.

CHERVIL VARIETY TRIAL 1978

Unheated polyethylene tunnel

Replications: 2

Variety	Seed supplier	kg/m ²	
		<u>1977</u>	1978
1. Kerbel Extra Krauser	HM	-	1,095
2. Chervel	HS	2,710	1,365
3. Massa	"	-	1,555
4. Crauser	LC	2,870	2,720
5. Dark Green Winter	LD	-	2,660
6. Brüssels Winter	RS	2,435	2,810
7. Big Leaved Chervil	VDB	2,770	2,840

Seeded: April 6

Harvested: June 5

Between rows: 10 cm

Plot size: 0,5 m²

18/5
14/3
5/6
(Tot)
6/4

CAULIFLOWER VARIETY TRIAL 1978

Replications:2

Variety	Seed-supplier	Planting	Days from planting to 50 % yield	Length of yield-period in days	YIELD			CURD					
					Total kg/daa	Class I kg/daa	Per cent Class I	Average weight Class I in grams	Colour 1-9	Height of curd 1-9	Uniformity 1-9	Compactness 1-9	Hairiness 1-9
1. Garant	AH	b	71	11	2309	145	6,3	630	5,5	4,5	6,5	5,5	6
2. Hormade	ARZ	c	71	32	2449	2007	82,0	651	7,5	7	7,5	7	9
3. Venus	"	a	69	21	2208	1867	84,6	668	6,5	5	6	6	9
		b	70	10	2543	206	8,1	565	4,5	5	5,5	5	7
4. Snowflower	ASG	a	69	23	2176	1694	77,3	589	6,5	3,5	6	7,5	7
		b	74	17	2625	2244	85,5	924	7	5,5	5	7	6
5. Formana	BEJO	a	85	18	2599	2265	87,2	710	7	6,5	6,5	7	9
		b	79	13	2593	1076	41,5	848	6	6,5	6	4	7,5
6. Hormade	"	c	66	21	2582	755	29,2	626	4,5	6,5	5	5,5	8,5
		b	75	13	3244	2232	68,8	990	6,5	6,5	7	5	6,5
7. Sesam	"	c	63	32	2396	1748	73,0	587	6	7,5	7	7	9
8. Torina	"	c	66	37	2302	1694	73,6	637	6,5	8	6,5	7	8,5
		a	69	16	1893	1731	91,5	679	6	5	6,5	5,5	8,5
9. Marva	BEM	b	69	11	2407	837	34,8	561	5	5	6,5	4,5	6,5
		a	77	20	2072	1888	91,1	591	6,5	6	5	5	9
10. Friso	ENZA	b	74	17	2669	1853	69,4	700	7	7,5	6,5	6	8
		c	67	21	1919	1498	78,1	499	6,5	7	6	6	8,5

CAULIFLOWER continuation

Variety	Seed-supplier	Planting	Days from planting to 50% yield	Length of yield-period in days	YIELD			CURD						
					Total kg/daa	Class 1 kg/daa	Per cent Class 1	Average weight Class 1 in grams	Colour 1-9	Height of curd 1-9	Uniformity 1-9	Compactness 1-9	Hairiness 1-9	
11. Danova	LD	c	68	20	2179	1672	76,7	587	6	6,5	6	6,5	6	9
12. Erfu	"	b	72	16	2638	2249	85,3	718	7	6	6	6	6	8
13. Extrema	"	c	63	25	2078	1355	65,2	543	5	7,5	6,5	7	7	8,5
14. King	"	c	52	18	2149	1057	49,2	487	6	7,5	6	7,5	7	7,5
15. Vita	"	c	60	22	2274	1152	50,7	571	6,5	5,5	7	7	7	7
16. Brio	OEK	a	65	18	1956	1776	90,8	565	6,5	5	6,5	5	5	8
17. Idol	"	a	81	20	1450	864	58,9	433	6,5	5,5	6,5	6,5	6	7
18. MSU 812	MSU	c	60	14	1706	0	0	-	2	5	4	5	5	2
19. Self Blanch	"	c	59	25	2318	1470	63,4	578	4,5	5,5	7,5	8	7	7
20. Elgon (Dok)	RS	c	73	29	2250	1798	79,5	597	7	7	7,5	7	8	8
21. Fortados (Alpha)	"	c	51	5	2291	708	30,9	550	4	4	4	6	8	8
22. Lagon	"	b	84	7	3468	3288	94,8	1032	6	6	6	6	6	8
23. Paloma	"	c	51	12	2036	1221	60,0	472	6	5,5	6	7	9	9
24. RS 351	"	b	71	11	2767	111	4,0	-	4,5	5,5	6	5	5	5
25. RS 356	"	c	51	12	2353	1916	81,4	612	5	5	6	6	8	8
		a	70	27	1943	1667	85,8	581	6	5	7	7	9	9
		b	70	11	2559	298	11,6	631	5,5	5,5	5,5	5,5	5,5	4,5
26. Type 165	RZ	c	62	22	2861	2794	97,7	608	9	8,5	8,5	9	9	9

CAULIFLOWER continuation

Variety	seed-supplier	Planting	Days from planting to 50% yield	Length of yield-period in days	YIELD			CURD						
					Total kg/daa	Class 1 kg/daa	Per cent Class 1	Average weight Class 1 in grams	Colour 1-9	Height of curd 1-9	Uniformity 1-9	Compactness 1-9	Hairiness 1-9	
27. Type 338 B	RZ	a	80	19	2647	2174	82,5	772	7	6,5	7,5	7,5	7,5	8,5
28. Type 598	"	a	76	13	2780	2753	99,0	783	7	7,5	6,5	7	7	8
29. SG 105	S&G	c	56	23	2090	1619	77,5	568	7	7,5	7	7,5	7,5	8,5
30. Tornado	"	a	84	15	2461	2434	98,8	671	6	7,5	7	7,5	8	9
		c	59	20	2302	1969	85,5	614	7	7,5	7,5	7,5	8	9
		a	75	18	2060	1693	81,8	606	6	5	5,5	5,5	6	8
		b	71	8	2406	607	25,2	681	5,5	6	6,5	6,5	6	6
31. White Top	"	b	81	12	3450	3367	97,6	991	8,5	7,5	8	7,5	7,5	8,5
		c	62	36	2053	1500	73,1	539	7	7,5	7,5	7,5	7,5	8
32. C-003 svale	SUH	b	68	14	2955	328	11,1	724	6	7	6	6	7	7,5
		c	61	10	2496	1500	60,1	608	5	7	6	6	9	7
33. C-006	"	c	64	19	2603	1853	71,2	711	7	8	6	6	8	8,5
34. Sv C-008	"	b	75	17	2429	864	35,6	678	6	7	7	7	7	5
35. Sv C-010	"	a	71	20	1549	1238	79,9	554	6,5	4,5	6,5	6,5	7	7
		b	69	10	2341	1059	45,2	726	6	5	6,5	6,5	5	6
36. Sv C-011	"	b	74	10	2580	108	3,7	675	6	6	6,5	6,5	7	3
		c	64	31	2606	1962	75,3	708	7,5	7	7	7	5	9

CAULIFLOWER continuation

Variety	Seed-supplier	Planting	Days from planting to 50% yield	Length of yield-period in days	YIELD			CURD						
					Total kg/daa	Class 1 kg/daa	Per cent Class 1	Average weight Class 1 in grams	Colour 1-9	Height of curd 1-9	Uniformity 1-9	Compactness 1-9	Hairiness 1-9	
37. Sv C-012	SUH	b	72	16	2924	641	21,9	651	6	6,5	7,5	7,5	7,5	5
38. Sv C-013	"	c	76	26	2569	2329	90,7	668	7	6,5	5,5	7	7	8,5
39. Sv C-014	"	c	80	27	2397	1505	62,8	630	7	6	7	8	8	8,5
40. 34920 K	"	c	72	24	2172	1776	81,8	585	7,5	7	8	7	8	9
41. 54797	"	c	63	30	2692	2375	88,2	756	7	6	6	7	7	8
42. 54805	"	c	51	7	2326	1330	57,2	586	4,5	7	7	6	6	8,5
43. 54809	"	c	53	21	2064	1461	70,8	570	5	6	7	7	5,5	8,5
44. 54813	"	c	51	15	1978	1264	63,9	774	5,5	6	7	7	7,5	9
45. 54928 K	"	c	51	7	2276	883	38,8	505	5	5,5	6	6	6,5	9
46. 54929 K	"	c	60	19	2503	1610	64,3	612	6	7	8	7	7	8,5
47. 54930 K	"	c	61	18	2300	1666	72,4	606	7	7	7	6,5	6,5	9
48. 54931 K	"	c	60	10	2533	1847	72,9	646	8	6,5	8	8	8	9
49. 54932 K	"	c	61	10	2381	1618	68,0	594	5	6	7	7	7	8
50. 54952 K	"	c	60	15	2656	2160	81,3	692	6,5	6	6,5	6,5	7	9
51. 54955 K	"	c	62	19	2451	1609	65,6	657	5	6,5	6	7	7	9
52. 54958 K	"	c	53	10	2134	1691	79,2	541	6,5	6,5	6	6	7	8,5
53. 54925 K	"	c	60	18	1576	1295	82,2	440	7	6,5	6,5	6,5	8	9
		c	66	23	2409	2342	97,2	625	7	6,5	6,5	6,5	8	9

CAULIFLOWER continuation

Variety	Seed-supplier	Planting	Days from planting to 50% yield	Length of yield-period in days	YIELD			CURD						
					Total kg/daa	Class 1 kg/daa	Per cent Class 1	Average Weight Class 1 in grams	Colour 1-9	Height of curd 1-9	Uniformity 1-9	Compactness 1-9	Hairiness 1-9	
54. 34755	SUS	b	67	12	2363	1476	62,5	628	4,5	6	7	6	6	6,5
55. 34920	"	b	73	11	2715	1512	55,7	635	6,5	6	6,5	6,5	6,5	6
56. Snow Crown	TA	a	64	13	1860	1803	97,0	509	7,5	5	6,5	6,5	7	9
57. Snow Diana	"	b	59	14	1821	1469	80,7	462	5,5	5	5,5	5,5	5	7
		a	79	22	2401	2112	88,0	643	5,5	6	6	6	6	9

	Seeded	Planted	Plot size
a	March 17.	May 5.	24 plants
b	April 6.	May 11.	24 plants
c	May 23.	June 20.	20 plants

Between rows: 65 cm
 Between plants: 40 cm

RADISH VARIETY TRIAL 1978

Unheated polyethylene tunnel

Replications: 3

Variety	Seed supplier	% yield at first harvest	Number of saleable per m ²	Weight in grams of 15 saleable	% foliage of plant weight	Terminal root tip*	Root shape**	Internal colour 1-9***	Sponginess 1-9****
1. AH 34	AH	29,8	219	183	31,3	m - w	cyl	5	2
2. AH 78	"	19,6	274	200	33,1	m	cyl	6	3
3. Pinkie	ARZ	45,5	258	223	23,3	w	r	6	8
4. Scarabelle orig.	"	36,9	253	242	34,4	w	r	8	8
5. Revosa	B	31,0	270	230	28,5	w - m	r	8	8
6. Alvo	BRU	57,2	278	213	22,9	w	r	6	6
7. Express Earliest									
8. Scarlet	CS	46,1	299	201	25,5	w - m	r	7	7
9. Real	DP	70,2	270	223	25,4	w	r	8	7
10. Scharo	ENZA	60,9	236	202	25,4	w	r	8	8
11. French Breakfast	HS	9,9	295	207	29,2	w	cyl	9	5
12. Vidan	LD	32,9	311	231	24,4	m - w	cyl	7	5
13. Rota	RZ	65,3	244	204	29,7	w	r	7	8
14. Kutara	SPER	62,2	299	207	28,2	w	r	7	5
15. Americano	VDB	52,8	260	195	25,1	w	r-fl, r	7	7
16. NZ 1273	WAV	42,8	226	267	32,1	v - m	r	8	9
17. RA 127	"	37,0	263	307	41,0	m - v	r	9	9

* w = weak, m = medium, v = vigorous

** cyl = cylindrical, r = round, fl = flat

*** 9 = no red colour

**** 9 = no sponginess

No problem with bolting this year.

Sceded: April 5

Harvested: May 12 and 18

TURNIP VARIETY TRIAL 1978

Unheated polyethylene tunnel

Two replications soil heated, and two unheated

Variety	Seed supplier	Soil unheated		Soil heated								
		% yield at first harvest	Number of saleable per m ²	% yield at first harvest	Number of saleable per m ²	Average plant weight in g	% foliage of plant weight	Average root diam. in mm	Root shape	Skin colour	Fibres 1-9	Taste 1-9
1. Candia	LC	3,1	37	22,4	33	171	42,1	44	elong.	White	6	6
2. Sola-turnip	LOG	1,2	32	34,0	40	158	53,2	60	fl.	White + red top	7,5	6
3. Hvid Revita Mailander	OEK	13,5	28	19,1	36	182	56,0	63	fl.	White	7,5	7,5
4. Rødho ved Forca	"	14,3	27	35,2	47	188	46,8	68	fl.	White + red top	8	7,5
5. Mibro	RS	23,9	52	57,5	31	103	37,9	58	r-fl.r	White + red top	7	6
6. Målselv-turnip	RA	0	9	2,2	34	255	62,0	64	fl.	Yellow	7,5	7,5
7. Tokyo Market expr.	SAK	58,1	28	74,5	39	137	43,8	49	r-fl.r	White	8	7,5
8. Petit White	TA	23,0	33	39,0	30	166	59,3	57	r.	White	7,5	7,5
9. Tokyo Cross	"	36,3	43	63,5	48	189	50,8	60	r.	White	8	7

Seeded: April 3

Thinned: April 18

Harvested: May 26 and June 2

Plot size: 1,3 m²

Between rows: 20 cm

Between plants: 8 cm

TOMATO VARIETY TRIAL 1978

Unheated polyethylene tunnels.

No replications

Variety	Seed supplier	Yield kg/daa		% Class I	Average fruit weight, g Class I	Relative yield Class I
		Up to Aug. 20	Total			
1. Early Girl	BALL	1658	8378	70,9	98	74
2. 1218/76	BRU	1175	8930	75,1	109	84
3. 1219/76	"	1196	10488	66,6	104	87
4. 1224/76	"	546	9623	60,5	90	73
5. Hardicross F ₁	CS	1119	7255	62,1	60	57
6. Pixie F ₁	"	2051	6210	57,3	66	45
7. No. 96 F ₁	DP	1901	9680	77,1	92	92
8. Edelrot	DSG	2093	5323	60,9	62	41
9. Harzfeuer	"	2668	6596	76,7	59	63
10. Hellperle	"	390	7453	77,5	76	72
11. Angela F ₁	ENZA	478	6984	70,8	86	62
12. Jackpot 17181 F ₁	FM	1199	7285	55,5	158	51
13. Sofia F ₁	LC	1919	10996	78,0	104	107
14. Doton F ₁	OEK	1974	11170	71,6	85	100
15. Bigset 210-242	PS	653	9093	43,2	166	49
16. Springset	"	629	8192	56,9	103	58
17. Verdon VF F ₁	RS	0	5181	53,1	261	34
18. Luca	S&G	872	6304	75,7	95	60
19. Speedy	"	1442	10828	69,0	113	93
20. E 123 Tm	"	767	11527	63,4	99	91
21. E 250 Tm VFN	"	322	7022	57,4	141	50
22. Coldset	STO	676	6103	46,9	77	36
23. Jetfire VF ₁	"	1440	6651	43,1	119	36
24. Swift	"	3886	6937	74,5	105	65
25. WW 016	WW	1667	7351	69,5	71	64

Seeded: April 18

Transplanted: May 2

Planted: May 31

First harvest: July 20

Between rows: 90 - 40 - 90 cm

Between plants: 40 cm

Plant number: 12

Plot size: 3,6 m²

TOMATO VARIETY TRIAL IN OPEN 1978

Replications: 2

Variety	Seed supplier	YIELD			FRUIT				
		Up to Aug. 20 kg/daa	Total kg/daa	% Class I	Weight in g Class I	Height/width in mm	Fruit shape index	Number of seed rooms	Refractometre value red fruits
1. Early Girl	BALL	785	7938	65,9	99	53/64	0,83	3- 6 (4,4)	5,5
2. 1218/76	BRU	109	6448	31,9	131	56/58	0,82	3- 5 (3,9)	4,8
3. 1219/76	"	180	6091	20,5	149	59/71	0,83	3- 6 (4,7)	4,3
4. 1224/76	"	48	7867	30,2	111	53/63	0,84	2- 5 (3,1)	4,8
5. Hardicross F ₁	CS	751	8134	40,9	77	49/55	0,89	2- 4 (3,0)	4,7
6. Pixie F ₁	"	1029	7182	41,6	85	43/51	0,84	3- 6 (4,4)	5,2
7. No. 96 F ₁	DP	392	7158	27,6	111	51/59	0,86	2- 3 (2,2)	5,1
8. Edelrot	DSG	426	6702	24,9	79	50/56	0,89	3- 6 (4,1)	4,5
9. Harzfeuer	"	916	7526	61,9	82	44/50	0,88	2- 3 (2,7)	4,4
10. Hellperle	"	0	4784	35,5	85	40/56	0,71	2 (2,0)	5,2
11. Angela F ₁	ENZA	0	4758	32,6	72	54/57	0,95	2- 3 (2,2)	4,3
12. Jackpot 17181 F ₁	EM	0	6760	17,0	169	68/90	0,76	5-11 (7,4)	-
13. Sofia F ₁	LC	355	9587	43,8	147	54/67	0,81	5- 7 (6,1)	-
14. Dodton F ₁	OEK	153	8092	39,4	110	54/63	0,86	3- 5 (3,8)	4,6
15. Bigset 210-242	PS	0	4607	9,3	157	63/80	0,79	4- 8 (6,1)	4,9
16. Springset	"	33	6926	34,3	130	56/66	0,85	4- 8 (6,1)	4,4
17. Verdon VF F ₁	RS	0	1274	48,0	92	58/69	0,84	5- 8 (6,9)	6,5
18. Luca	S&G	397	5459	51,7	112	56/61	0,92	3- 5 (3,9)	4,2
19. Speedy	"	718	11655	69,4	127	52/55	0,80	3- 5 (3,7)	4,0

(cont.)

TOMATO IN OPEN continuation

Variety	Seed supplier	YIELD			FRUIT				
		Up to Aug. 20 kg/daa	Total kg/daa	% Class I	Weight in g Class I	Height/width in mm	Fruit shape index	Number of seed rooms	Refractometre value red fruits
20. E 120 ^{Top}	S&G	85	8069	42,4	103	53/60	0,88	2- 4 (3,2)	4,2
21. E 120 ^{Top} VFN	"	44	4333	35,5	155	65/78	0,83	6-10 (7,9)	5,6
22. Coldset	STO	233	6059	29,8	119	53/68	0,78	4-10 (6,9)	5,3
23. Jetfire V F ₁	"	100	8986	33,6	209	68/91	0,75	6- 9 (7,6)	4,1
24. Swift	"	769	6723	61,2	129	53/60	0,88	4- 8 (6,1)	4,8
25. WW 016	WW	539	6068	40,6	79	49/51	0,96	3- 6 (4,0)	3,8

Seeded: April 4
 Transplanted: May 2
 Planted: May 31
 First harvest: August 3

Plot size: 1,3 x 2 m
 Plant number: 10
 Between rows: 90 - 40 - 90 cm
 Between plants: 40 cm
 Drip irrigation: Eventrickle

TOMATO OBSERVATION TRIAL IN OPEN 1978

No replications

10 plants

Planted: May 31

Variety	Seed-supplier	Plant		Yield kg/daa		Fruit	
		Normal (N) Bush (B) Half bush (HF)	Vigour 1 - 9	Up to August 20	Total	Shape Oblate (OB) Round (R) Oval (O)	Size Small (S) Med. (M) Large (L)
1. Westona Tm C ₂ F ₂	BRU	N	6	0	2735	OB	M
2. 1380/76 Tm C ₄ F	"	N	6	873	8427	R	M
3. 5056/74 C ₂ VF ₂	"	B	6	0	5067	OB	L
4. 500/77 Tm VF	"	B	6	162	7873	R	M
5. Lido Tm VF ₁	LC	B	5	0	5973	OB	L
6. 77101 VFN F ₁	"	B	5	0	6071	R	M
7. 57 La M	CS	B	5	342	8212	R	M
8. No. 96 AF ₁	DP	N	5	744	5769	R	S
9. 2451 F ₁	"	N	5	331	7094	R	M
10. Compaty DBR 90 Tm F	ENZA	B	5	656	12329	R	M
11. Dwarfy DGR Tm F	"	B	6	1921	10196	R	S
12. Nr. 77 302 Tm VFN	"	HB	7	160	6856	OB	M
13. Booster	FM	B	4	3133	8079	OB	M
14. Chanasyk Early	"	B	5	458	6671	OV	S
15. 52366	"	B	5	0	4250	OV	M
16. Sam F ₁	LD	B	1	2381	3329	R	S
17. Florida	PS	B	5	0	4388	OB	M
18. Petoprude F ₁	"	B	6	0	8685	R	M
19. Refa	SPER	N	7	188	6081	R	M
20. Basket Vee	STO	HB	6	804	6629	OB	L
21. Earlyrouge	"	HB	6	52	5546	OB	M
22. Starshot	"	B	5	208	7381	R	M
23. Sub Arctic Maxi	"	B	2	1781	5323	R	M
24. Veemore VF	"	B	5	44	3244	R	S
25. Vendor	"	HB	4	0	6663	OB	L
26. Veeprick	"	B	5	0	1523	OV	M
27. Veepro	"	B	6	0	2621	OV	M
28. Veeroma	"	B	5	594	4560	OV	M
29. Topy Tm VF	S&G	B	6	44	4527	R	S
31. Sub Arctic Planty	T&M	B	6	1569	3862	R	S
32. Sub Arctic Cherry	"	B	5	2375	4702	R	S
33. Hellfrucht Frühstamm	WAV	N	6	319	5479	R	M
34. Arla	WW	B	5	1398	7002	OB	S
35. Nina	"	N	6	0	5333	OB	L
36. WW 011	"	B	5	1835	8102	R	M

SWEET PEPPER VARIETY TRIAL 1978

Unheated polyethylene tunnels

Variety	Seed supplier	Yield		Fruit Class I					
		Total kg/m ² up to Aug. 18	Total kg/m ²	Per cent Class I	Weight in grams	Length in mm	Average width in mm	Shape index	Wall thickness in mm
1. Pip	ASG	1,380	2,430	62,8	122	73	71	1,0	5,2
2. Bruinsma Wonder	BRU	1,130	2,300	66,8	132	87	78	1,1	5,3
3. Westland Wonder	"	1,360	2,980	64,3	127	78	76	1,0	5,9
4. Propenza	ENZA	1,270	2,985	60,2	119	81	73	1,1	5,0
5. 154 Fl	"	2,800	3,990	71,5	154	89	78	1,1	5,3
6. Lady Bell	HAR	1,335	2,695	73,8	128	88	69	1,3	5,3
7. Gildor Fl	LC	2,130	3,135	67,4	140	82	79	1,0	4,9
8. Danish No. 2	LD	1,825	2,945	62,4	138	122	61	2,2	4,7
9. Bell Boy	PS	2,315	3,480	74,4	137	91	69	1,3	5,3
10. Early Bell	"	1,995	3,310	75,9	119	90	65	1,4	4,8
11. Stokes	RS	1,495	2,430	95,5	186	81	78	1,0	5,4
12. Type 24	"	1,435	2,965	62,7	111	84	73	1,2	5,0
13. Atlas	ASG	1,645	3,135	54,7	108	108	56	2,0	4,8
14. Cadice	S&G	2,330	4,400	66,9	139	100	73	1,4	4,7
15. P 53	"	1,805	3,550	64,5	148	84	78	1,1	5,2
16. Merit	SPER	2,045	3,530	66,7	111	76	69	1,1	5,0
17. Ace Hybrid	STO	2,400	4,140	65,2	114	100	66	1,5	4,0
18. Early Niagara Giant	"	1,040	2,360	57,9	158	89	76	1,2	5,3
19. Stokes Early Hybrid	"	2,340	4,085	72,3	99	97	59	1,6	4,5
20. Szegediner	WAV	0,830	2,820	55,4	98	85	66	1,3	5,3
21. Yellona	VDB	1,155	2,535	46,5	119	83	65	1,3	5,1
22. Annika	WW	1,215	3,065	51,8	111	99	60	1,7	4,0

2 replications, 6 plants in each plot.

Seeded: March 14

Between rows: 90 - 40 - 90 cm

Drip irrigation: Eventrickle

Planted: May 30

Between plants: 40 cm

Fertilizer: Superba +

Viking Ship CaNO₃

SWEET PEPPER VARIETY AND PRUNING TRIAL 1978.

Heated green-house 2,5 plants per m² 2 and 4 branches per plant

Replications: 2 5 plants in each plot

Variety	Seed supplier	PLANT				YIELD				FRUIT			
		Per cent of nodes with fruits up to last harvested		Total per m ² up to June 1.		Total kg/m ²		Per cent Class 1		Average weight of fruit Class 1 in grams		Fruit shape index	
		2	4	2	4	2	4	2	4	2	4	2	4
1. Eruinsma Wonder	BRU	49,2	41,1	2,73	4,26	9,36	12,10	89,2	90,8	144	136	1,17	1,30
2. Toledo	LC	54,6	39,7	3,16	4,44	12,52	16,23	84,3	87,6	151	140	1,80	1,90
3. Pekana	OEK	72,5	59,7	3,70	3,84	11,11	13,31	88,3	88,4	112	102	1,47	1,50
4. Super Set	SAK	76,8	57,1	3,80	3,44	11,88	15,05	90,3	93,7	113	113	1,53	1,77
5. Cadice	S&G	64,0	49,4	3,28	3,98	13,51	17,74	90,0	92,5	132	124	1,40	1,63
6. New Ace	TA	71,6	51,9	3,13	3,72	10,81	13,88	80,4	91,0	100	100	1,50	1,60

Seeded: February 1. in Jiffy 7 P.S.: For commercial growing we recommend
 Transplanted: February 21. in 11 cm Vefipot 3 plants per m² with 2 branches per
 Planted: March 6. on peat beds plant and 2 plants per m² when
 Harvesting period: May 8. - October 25. using 4 branches.

Sidebranches pruned at regular intervals (10-14 days)

Irrigation system: Eventrickle

Fertilizer: Superba + Viking Ship CaNO₃

SWEET PEPPER OBSERVATION TRIAL 1978

Unheated greenhouse No pruning

Variety	Seed supplier	Yield kg/m ²		Plant obs. September 21			Fruit (Average of 10)					
		Up to July 24	Total	Uniformity 1-9	Bushing 1-9	Vigour 1-9	Plant height in cm	Weight in grams	Wall thickness in mm	Length in mm	Average width in mm	Form index
1. Pip	ASG	1,01	4,80	5	6	7	93	140	5,8	86	70	1,23
2. Bruinsma Wonder	BRU	1,07	4,80	8	7	8	93	146	6,3	91	69	1,32
3. Westland Wonder	"	1,21	5,45	7	5	5	110	127	5,8	84	66	1,27
4. 154 F ₁	ENZA	1,51	6,06	5	6	6	109	130	5,4	93	68	1,37
5. Lady Bell	HAR	1,06	5,97	6	5	5	98	123	5,7	88	66	1,33
6. Bell Boy	PS	0,98	5,94	6	5	7	95	100	5,3	78	62	1,26
7. Type 24	RS	1,22	6,15	7	4	5	89	105	5,6	79	61	1,30
8. Cadice	S&G	1,41	7,37	5	7	7	92	126	5,6	103	63	1,63
9. P53 F ₁	"	0,89	6,20	7	7	7	114	159	6,7	87	73	1,19
10. Stokes Early Hybrid	STO	1,05	4,00	6	3	2	78	85	4,7	89	56	1,59

Planted: March 17

First harvest: June 19

Plot size: 12,6 m²

Between rows: 1,2 m

Between plants: 0,35 m

Drip irrigation: Twin Wall

Fertilizer: Superba + Viking Ship CaNO₃

EGGPLANT VARIETY TRIAL 1978

Heated green-house

Replications: 3

Variety	Seed-supplier	Days to anthesis (50% of plants)	Class I in kg/m ² up to June 1	Total kg/m ²	Per cent Class I	Weight of fruit Class I in grams
1. Aubru	BRU	75	1,520	11,440	88,7	193
2. Baren	LC	76	0,065	5,660	71,0	170
3. No. 44	OEK	74	1,550	8,215	90,1	230
4. Radja	RZ	76	0,840	10,515	80,2	186

Seeded: February 1 in Jiffy 7

Transplanted: February 21 in 11 cm Vefipot

Planted: March 6 in 15 l Nursery containers

Anthesis: April 10 - 14

Harvesting period: May 8 - August 3

EGGPLANT OBSERVATION TRIAL 1978

Heated greenhouse

Two plants only

Variety	Seed supplier	Plant vigour 1-3	Days to Anthesis	Number of fruits harvested Oct. 26.	Total number of fruits set up to Oct. 26.	Average weight of fruits harvested in grams
1. Gator	ASG	3	-	0	0	-
2. Viserba	"	2	-	0	5	-
3. Slim Jim	BALL	1-2	-	0	0	-
4. Claresse	DP	2	65	3	4	197
5. Poeldijks Glorie	ENZA	2	-	1	2	260
6. Exp. Hybr. 3026 ¹⁾	KEY	-	-	-	-	-
7. " " 6535	"	3	63	2	2	252
8. " " 9282	"	3	-	0	1	-
9. Hasparren ¹⁾	LC	-	-	-	-	-
10. Marfa F ₁	LC	3	-	0	0	-
11. Cluster ¹⁾	OEK	-	-	-	-	-
12. Lang ¹⁾	"	-	-	-	-	-
13. R2102	"	2-3	61	5	8	97
14. Dusky	PS	2-3	61	0	0	-
15. Florida Market	"	3	-	0	0	-
16. No.25 ¹⁾	SAK	-	-	-	-	-
17. No.30-TS Cross	"	3	58	0	3	-
18. Blacky	SPER	3	-	0	0	-
19. Black Magic	S&G	3	61	0	0	-
20. Vecette	"	2	61	3	3	260
21. Vedette	"	2	-	4	4	209
22. Black Prince	TA	3	54	13	14	155
23. Millionaire	"	3	54	7	8	167
24. All (Aubrina)	VDB	2	58	4	4	240
25. Black Bell	Holmes	2	58	8	8	235

¹⁾ Very low vigour at time for planting

Seeded: June 28. (Jiffy 7)

Transplanted: July 17. (11cm Vefipot)

Planted: August 4. (15 l nursery containers)

Claresse, Exp.Hybrid 6535, Vecette, Vedette (same as Vecette ?), and Black Bell will be taken in variety trial next year. Small-fruited varieties as R2101, Black Prince , and Millionaire will be suitable for the hobby gardeners only.

PICKLING CUCUMBER VARIETY TRIAL 1978.

Deep furrow covered with polyethylene film.

Two replications.

Variety	Seed supplier	Days to 50% yield	Relative yield	Number of fruits per m ²	Kg/daa		Per cent of class I in each size (weight).				Average weight of fruit class I in grams
					Total	Class I	60-90 mm	90-110 mm	110-130 mm	>130mm (slicer)	
1 1329/73	BRU	78	208	23	1606	1445	5	19	33	43	71
2 Libelle	DSG	79	136	25	1048	949	17	31	30	22	42
3 E 1296	ENZA	76	207	21	1603	1518	22	39	25	14	43
4 Tera	LD	78	161	32	1244	1169	29	50	16	5	17
5 Peto Triple Mech.	PS	80	106	18	819	772	19	36	26	19	46
6 Sv B 311, Felio	SUH	79	135	27	1044	947	24	33	21	22	40
7 Sv B 317	"	78	169	34	1310	1202	22	33	27	18	40
8 Sv B 320	"	78	159	31	1229	1110	16	34	26	24	42
9 Levo (standard)	S&G	78	100	26	775	751	37	38	21	4	30
10 Flexico	VDB	81	70	15	540	520	43	32	14	11	37
11 Kokard	WW	78	177	29	1369	1197	17	31	36	16	47
12 Kornett	"	80	114	26	689	880	16	33	25	26	43

Seeded : June 2

Between rows: 130 cm

Between plants: 20 cm

Plot size: 25 plants

PICKLING CUCUMBER OBSERVATION TRIAL 1978.

Deep furrow covered with polyethylene film

No replications

Variety	Seed supplier	Relative yield	Number of fruits per m ²	Kg/daa		Per cent of class I in each size (weight).				Average weight of fruit class I in grms
				Total	Class I.	60-90 mm	90-110 mm	110-130 mm	>130mm (slicer)	
1 Gy BA-4 M Smooth	DES	243	21	554	503	15	33	29	23	50
2 Ceto	LC	318	22	724	630	25	37	26	12	34
3 Elon	"	310	16	706	691	26	38	27	9	43
4 Fedor	"	168	10	382	373	22	31	29	18	38
5 Ashley Super	LD	96	3	218	218	1	12	46	41	76
6 Orient	"	194	3	442	181	-	-	5	95	131
7 Forma (standard)	LOG	100	7	228	193	20	27	26	27	32
8 Damascus	PS	521	15	1189	1170	4	21	30	45	79
9 Pot Luck	"	170	4	387	326	1	17	81	1	121
10 Type 576	RZ	221	14	505	458	25	21	32	22	40
11 Type 580	"	172	13	393	368	38	37	17	8	30
12 Green Knight	TA	49	-	112	101	-	-	-	100	218
13 NIB	WAV	418	28	954	885	21	37	29	13	35

Seeded: June 5

Between rows: 130 cm

Between plants: 20 cm

Plot size: 50 plants

All varieties was damaged by frost August 28.

SUMMER-SQUASH VARIETY TRIAL 1978

Replications: 3

Variety	Seed supplier	Yield kg/daa		Per cent saleable	Average weight of fruits in grams
		Up to Aug. 1	Total		
1. Black Eagle	NK	792	4079	93,7	255
2. Ambassador	OST	1198	5254	98,4	220
3. St. Pat Scallop F ₁	STO	214	2693	97,7	290
4. Goldbar F ₁	SW	397	2019	96,3	144

Seeded: May 5
 Planted: June 6
 Harvesting period: July 12 - September 18
 Plot size: 6,25 m² (5 plants)

WINTER-SQUASH VARIETY AND STORING TRIAL 1978

Replications: 3 One harvest (Sept. 18)

Variety	Seed supplier	Yield			Per cent saleable after 10 weeks at 20°C
		Total number per daa	Total kg per daa	Average weight of fruits in grams	
1. Buttercup	DES	560	820	1460	46,6
2. Delicious Golden	"	256	1210	4730	9,9
3. Delicious Green	"	432	1410	3265	9,2
4. Butterball	SAK	432	515	1190	27,4
5. Home Delite	"	416	420	1030	59,7
6. Vegetable Spagetti	STO	1248	2505	2010	12,6
7. Blue Kuri	TA	688	895	1295	49,1
8. Delika	"	512	780	1530	57,3

Seeded: May 12.
 Planted: June 6.
 Harvested: Sept. 18.
 Plot size: 20,8 m² (5plants)

MELON VARIETY TRIAL 1978

Polyethylene tunnels. Soil heated. Replications: 2

Variety	Seed supplier	YIELD			FRUIT								
		Average num. of fruits per vine	Total kg/m ² up to Aug. 15	Total kg/m ² Class I	Per cent Class I	Ref-ractometre value	Weight of Class I in grams	Shape	Net	Rib	Rind colour	Flesh colour	Flesh thickness 1-9
1 Rica	ENZA	4,0	1,171	4,650	71,3	10,2	770	Oval	Slight	Slight	Light greenish yellow	Orange Green to the rib	5
2 No. 19-IF	LD	5,3	1,719	4,639	74,1	11,5	538	Oblate	No	Heavy	L. yellow Gr. orange rib	Orange	6 - 7
3 Aroma	LOG	2,2	1,990	6,505	92,5	6,7	1970	Round-oval	Medium	No	Yellowish orange	Orange	9
4 Alpha F	"	4,9	1,195	4,455	83,7	9,3	597	Round	No	Medium	Yellow Silver rib	Orange Green to the rind	6
5 Romeo *	"	7,7	0,361	6,939	92,4	7,6	577	Round	Heavy	Medium	Yellow L. green rib	Deep orange Green to the rind	5
6 Earlisweet	FS	4,3	1,301	3,463	70,2	7,8	531	Round-oval	Heavy	Medium	Yellowish green	Dark orange Green to the rind	4 - 6
7 RS 810 **	RS	5,3	0,542	4,324	90,9	8,4	505	Round-oval	No	Medium	Yellowish green	Light green	5
8 RS 815	"	3,3	2,982	5,086	76,2	7,4	930	Elongated-oval	Medium	Slight	Dark green rib with yellow spots	Very light green	7

(cont.)

MELON continuation

Variety	Seed supplier	YIELD				FRUIT							
		Average num. of fruits per vine	Total kg/m ² up to Aug. 15	Total kg/m ² Class I	Per cent Class I	Ref- racto- metre value	Weight of Class I in grams	Shape	Net	Rib	Rind colour	Flesh colour	Flesh thickness 1 - 9
9 Ha-On	RZ	5,5	1,815	4,831	88,5	8,4	540	Oval	No	Heavy	Green with yellow spots Silver rib	Green	4 - 5
10 Sweet Heart	SAK	5,3	2,010	3,875	69,6	10,3	462	Round-oval	No	Very slight	Light green	Pink Green to the rind	5
11 Sharity Ball	"	5,0	0,167	4,457	87,1	10,3	635	Oval	Very heavy	Slight	Dark green	Pink Green to the rind	7
12 Honingtopf F ₁	SPER	5,5	2,710	4,391	68,5	9,9	516	Round oval	No	Very slight	Light yellowish green	Pink- orange	6
13 Sweetie	SAK	4,2	0,423	2,674	60,7	10,0	433	Oval	No	No	Light green	Pink Green to the rind	4
14 Overgen	S&G	4,8	2,710	5,304	94,6	7,8	695	Round	Very slight	Heavy	Dark green Silver rib	Light green	6
15 Honey Dip	TA	4,2	2,486	5,387	57,0	7,9	713	Round oval	No	Very slight	L. greenish yellow Green rib	Light green	7
16 Summer dream	"	3,7	0	4,169	94,7	7,9	677	Oval-oblate	No	No	Light yellow	Orange	5 - 6
17 Ogen Improved***	VDB	6,3	1,532	4,687	73,7	8,1	457	Oval	No	Heavy	Green with yellow spots Silver rib	Green	5

(cont.)

MELON continuation

Variety	Seed supplier	YIELD				FRUIT							
		Average num. of fruits per vine	Total kg/m ² up to Aug.15	Total kg/m ²	Per cent Class I	Ref-actometre value	Weight of Class I in grams	Shape	Net	Rib	Rind colour	Flesh colour	Flesh thickness
18 New Ogen	VDB	4,9	2,015	4,660	85,3	8,4	596	Oval	No	Heavy	Green with yellow spots	Green	1 - 9

* Three plants only in trial

** Half plot of each replication

*** Half plot of first replication

Seeded:

May 10

All varieties topped:

June 2

Planted in peat bags (30 litres):

June 9

3 plants in each bag

Plot size: 3,6 m² (6 plants)

One branch per plant stringed

Electrical heatwires on the ground close to the peat bags (17 Watt per plant)

Irrigation system: Eventrickle

WATERMELON VARIETY TRIAL 1978.

Polyethylene tunnels

Variety	Seed supplier	YIELD				FRUIT				
		Average number of fruits per vine	Total kg/m ² up to Aug. 15.	Total kg/m ²	Per cent class I	Refraktometre value	Average weight of class I in grams	Shape	Rind colour	Flesh colour
1. R 2281	OEK	2,75 +	4,00	6,20	100	9,5	2,03	ovale	l.green striped d.green	yellow
2. Family Fun	PS	1,60	2,78	3,95	100	6,5	2,19	elon-gated	very l. green red str.gr.	salmon red
3. Sugar Doll	"	2,40	2,68	6,61	100	8,9	2,50	round oblate	dark green	red
4. Panonia	RS	2,25	2,66	6,34	100	6,4	2,54	round	d.green	s.red
5. Honey Cream	SAK	3,50	2,71	4,31	87,4	9,4	1,13	round	l.green str.green	deep yellow
6. Sweety Fl	SPER	1,75	1,75	5,05	100	8,4	2,60	oval	d.green	red
7. Sugar Baby	STO	1,50	2,64	4,20	89,0	9,1	2,35	round	d.green	red
8. Gold Baby	TA	3,40	2,88	5,02	87,6	9,0	1,38	oval-elongated	l.green str.green	yellow
9. Jolly Folk	"	1,90	3,05	5,30	100	7,7	2,54	round	l.green striped d.green	salmon red
10. Sweet Ibuki	"	2,25	2,28	4,83	97,7	7,9	2,00	round	l.green striped d.green	red

Seeded: May 10., Planted: June 9. in peat bags, First harvest: August 1., Plot size: 3,6 m² (4 plants), one branch stringed per plant, Irrigation system: Eventrickle + Half plots

SWEET CORN VARIETY TRIAL 1978

Deep furrow covered with polyethylene film

Replications: 3

Variety	Seed supplier	Plant height in cm	Days from sowing to 50% yield	Number of cobs per plant		Cob Class I				
				Class I >160 mm	Total	% Class I	Average weight in grams	Length in mm	Breadth in mm	Number of seed rows
1. Early Sunglow +	CHA	170	124	0,50	0,55	90,9	196	165	41	12-14
2. Kandy korn EH +	"	225	(148)	0,25	0,25	-	229	192	44	16-18
3. CxP 504 EH +	"	210	(148)	0,48	0,48	-	223	194	45	14-18
4. D-5 EH	"	175	123	0,58	0,70	83,3	205	165	43	14-16
5. Beacon	RB	175	117	0,68	0,86	80,5	253	184	46	14-16
6. Fanfare 81 +	"	205	(148)	0,28	0,29	-	245	181	42	16-20
7. Jubilee +	"	220	(148)	0,35	0,36	-	171	183	44	16-18
8. 69-1689	"	190	139	0,68	0,73	93,9	211	181	42	14-18
9. 74-1720 +	"	205	135	0,58	0,58	-	249	173	44	16-20
10. 75-2016 +	"	215	(148)	0,16	0,16	-	182	190	44	18-20
11. Golden Earlipak	RS	180	119	0,68	0,80	86,1	243	182	43	12-14
12. Blitz	S&G	160	111	0,65	0,80	81,3	231	174	46	12-14
13. Earlibelle	"	185	111	1,00	1,15	86,5	213	176	42	14-16
14. Gold Cup +	"	235	(148)	0,32	0,32	-	140	172	36	14-16
15. Northern Bell	"	195	122	0,88	0,91	97,6	240	177	44	14-16
16. Sundance	"	180	134	0,67	0,72	93,8	198	170	40	14-18
17. Butter Vee	STO	135	100	0,78	1,12	70,1	291	175	47	12-16

SWEET CORN continuation

Variety	Seed supplier	Plant height in cm	Days from sowing to 50% yield	Number of cobs per plant		Cob Class I				
				Class I >160 mm	Total	% Class I	Average weight in grams	Length in mm	Broath in mm	Number of seed rows
18. Earlivee	STO	145	101	0,81	1,18	69,0	247	171	47	12-16
19. Northern Vee	"	135	100	0,28	0,83	34,0	246	165	45	12-14
20. Sunny Vee	"	130	104	0,71	1,03	69,4	259	181	45	12-16

+ Not mature

Seeded: May 18. in Jiffy 7

Transplanted for deep furrow in open: May 26.

First harvest: August 26.

Double rows (800-50-800)mm

Between plants: 40 cm

Plot size: 30 plants (= 7,8 m²)