

VEGETABLE

VARIETY TRIALS

1977

PRELIMINARY RESULTS

LEEK

ONION

LETTUCE

SORREL

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 1978

Mimeograph No. 99

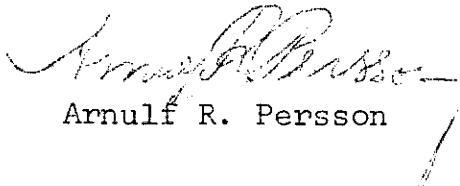
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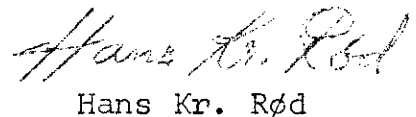
INTRODUCTION

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 1977. We are also planning an additional list covering some leguminous crops.

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.

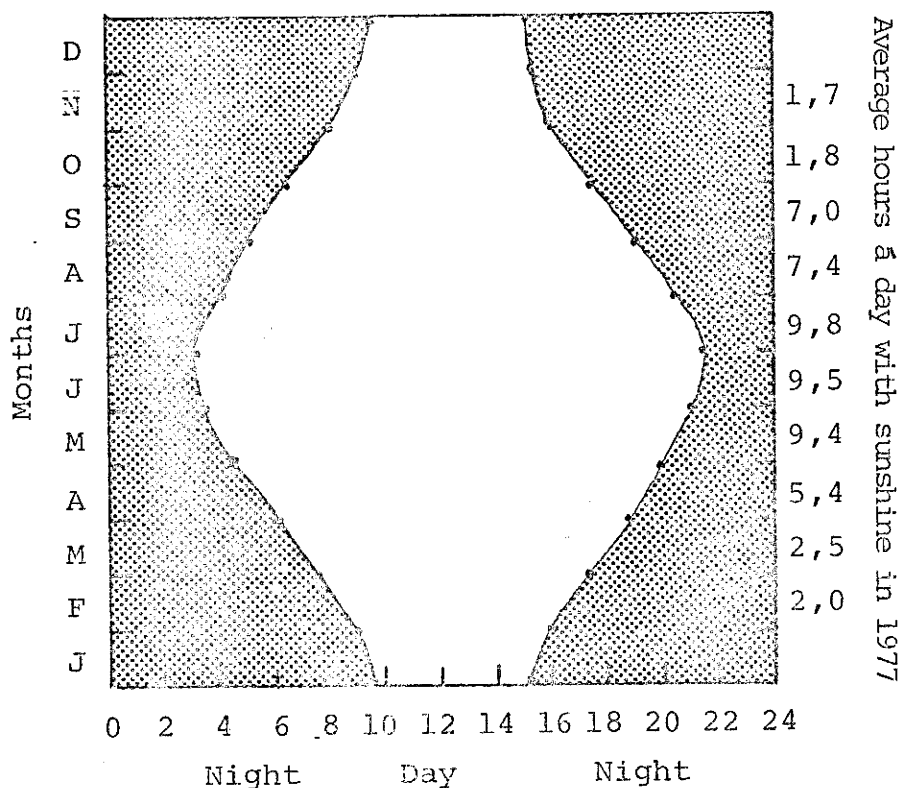

Arnulf R. Persson


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 1977 - ÅS IN NORWAY

		1977	Long-term average
Rainfall (mm)	May	35	49
	June	86	70
	July	67	79
	August	46	96
	September	59	86
Sunshine (hrs.)	May	292,3	240,6
	June	285,1	304,6
	July	303,2	269,5
	August	229,1	258,9
	September	210,6	155,3
Average temp. (°C)	May	10,9	10,2
	June	14,9	14,4
	July	15,7	16,8
	August	15,0	15,6
	September	9,9	10,9

SEED SUPPLIERS

AB W. Atlee Burpee Co., P.O.B. 6929, Philadelphia, Pa. 19132, USA. Kundenr. 3044645 - KE skal oppgis på alle bestillinger (account number).

AC Abbot and Cobb, inc. 4744-46 Frankford ave., Philadelphia, PA. 19124.

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 Company 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.

B W. Bortherton Seed Co., Inc. P.O.B. 1378, Moses Lake, Washington, USA.

BEM C. Beemsterboer N.V., Postbus 2, Warmenhuizen, Nederland.

BGF Bundesforschungsanstalt für gartenbauliche Pflanzenzüchtung, Bornkampsweg, 207 Ahrensburg/Holst., Vest-Tyskland (DBR)

BRU Bruinsma Selectiebedrijven B.V., P.O. Box 24, Naaldwijk, Holland.

CA A.L. Castle, Inc., P.O.B. 877, Morgan Hill, California 95037, USA

CS Charles Sharpe & 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.

DR W.P.J. de Ruiter & ZN. N.V., Bleiswijk, Nederland.

DSG VEB Saat- und Pflanzgut, 43 Quedlingsburg-Harz, Øst-Tyskland (DDR)

ENK De Enkhuizer Zaadhandel B.V., Postbus 7, Enkhuizen, Nederland.

EGY Landbruksdepartementet, Kairo, Egypt.

FAR Farmer Seed & Nursery Co., Faribault, Minn. 55021, USA.

FIN Nestlé-Findus A/S, Faret, 3250 Larvik

FM Ferry-Morse Seed Co., Inc., P.O.B. 100, Mountain View, California 94040, USA.

GAR Gartnerhallen, 4000 Stavanger.

GBR Gebroeders Broersen, Postbus 4, Tuitenhorn, Nederland

GCRI Glasshouse Crops Research Institute, Rustington, Littlehampton, Sussex, England.

GER La Germinadora, Casa de Semillas, Guanacache 5459, Buenos Aires, Rep. Argentina.

GRI Grimstadfrø A/S, 4890 Grimstad.

GSC Germania Seed Company, 5952 North Milwaukee Avenue, Chicago, Illinois 60646, USA.

HAR Joseph Harris Co., Inc., Moreton Farm, Rochester, N.Y. 14624, USA.

HAU Haubner, Süddeutsche Pflanzenzucht KG, Postfach 147, D-6520 Worms, Vest-Tyskland (DBR).

HG AB Hammenhögs Frø, S-27050 Hammenhög, Sverige.

HGC Hurst Gunson Cooper Taber Ltd., Witham, Essex, England.

HM Hans Meisert Samenzucht, Podbielskistr. 409, 3 Hannover-Buchholz, Vest-Tyskland (DBR)

HN = LOG

HR Samenzucht Hans Rohde KG, D-3501 Guxhagen, Bez. Kassel, Vest-Tyskland (DBR).

HS Holland-Select B.V., P.O.B. 27, Andijh, Nederland

HU Algot Holmbergs Utsädesförädling, Norrköping, Sverige.

IH Inst. de Haaff (H. Toxopeus), Postbus 117, Wageningen, Nederland.

LC L. Clause, S.A., 9å Brétigny-sur-Orge, Frankrike.

LD A/S L. Dahnfeldt Havefrø, Postbox 15, DK-5100 Odense, Danmark.

LET Letherman's, Inc., Canton, Ohio, USA.
LEUT Leüthens frøhandel A/S, Postboks 3928 Leangen, 7001 Trondheim.
LIND H.P. Lindgreens Enke, Stolling, Åbenrå, Danmark.
LOG Landbrukets Emballasjeforretning, Gartnernes Felleskjøp, Økern Torgvei 1, Oslo 5.
MSG Midwest Seed Growers, 505 Walnut Street, Kansas City, Missouri 64106, USA.
MSU Michigan State University, Department of Horticulture, East Lansing, Michigan 48823, USA.
NF A/S Norsk Frø, Frysjaavn. 40, Oslo 8.
NK Northrup, King & Co., 1500 Jackson St., N.E. Minneapolis. Minn. 55413, USA.
NORA Nora Fabrikken A/S, 2380 Brumunddal - A/S Nora-Sunrose, 3100 Tønsberg.
NSDO National Seed Development Organization, Ltd., Cambridge, England.
NUN Nunhem's Zaden, P.O.B. 5, Haelen, Nederland.
OC Osnabrücker Central-Saatstelle, L. Stahn & Finke, Osnabrück, Vest-Tyskland (DBR).
OEK J.E. Ohlsens Enke, Ny Munkegård, DK-2630 Tåstrup, Danmark.
OEO J. Olsens Enke A/S, Storgt. 11, Oslo 1.
ONT Horticultural Experiment Station, P.O.B. 587, Simcoe, Ontario, N3Y 4N5, Canada.
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.
ROB Robson Quality Seeds, Inc., Hall, New York 14463, USA.
ROG Gebrüder Roggli A.G., Dorfstr. 36, 3652 Hilterfingen BE, Sveits.
ROOD Zaadhandel "Wateringen", J.P. Rood, Herenstraat 11, Wageningen, Nederland.
RS Royal Sluis, Postbus 22, Enkhuizen, Nederland.
RZ Rijk Zwaan's Zaadteelt en Zaadhandel B.V., Postbus 40, De Lier, Nederland.
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).
SD Samuel Dobie & Son Ltd., 11 Grosvenor Street, Chester CHI 1XD, England.
SFL Statens forskningsstasjoner i landbruk.
SFS Statens forskningsstasjon Sørheim, 4062 Klepp st.
SIF Siemen Oy Frø AB, SF-00120 Helsinki 12, Finland.
S&G N.V. Koninlijke Zaadteelt en Zaadhandel, Sluis & Groot, Postbus 13, Enkhuizen, Nederland.
SOF Professor Hårdh, Helsingfors Universitæt, Viik, Sf-00710 Helsingfors 71, Finland.
SPER Carl Sperling & Co., Postfach 2640, 314 Lüneburg, Vest-Tyskland (DBR)
SRG Sanderød gård, 1692 Nedgården.
STAB Stabbur Canning, 1580 Rygge.
STO Stokes Seeds Ltd., P.O.B. 10, St. Catharines, Ontario. Canada.
SUH Sveriges Utsädesförening, Hammenhögsavdelningen, S-270 50 Hammenhög, Sverige.
SUP Supergran, Bruul 101, 2800 Mechelen, Belgia.
SUS Sveriges Utsädesförening, Svalöf, Sverige.
SUT Sutton & Sons Ltd., Reading RG 6 1 AB, England.

SW Seedway, Inc., Hall, New York 14463, USA.
TA Takii & Co., Ltd., Seed Growers, P.O.B. 7, Kyoto Central,
Japan.
TEZ Tezier Frères, 26 Valence-sur-Rhône, B.P. 223, Frankrike.
TF Tourneur Frères, 64, Rue de Gal Leclerc, 77-Coulommiers
(Seine & Marne) France.
UBH Botanisk hage, Trondheimsv. 23, Oslo 5.
VDB Gebrüder van den Berg, N.V., Postbus 25, Naaldwijk, Nederland.
VIL Vilmorin-Andrieux, 4, Quai de la Mégisserie, Paris 1er,
Frankrike.
WAV van Waveren & de Bries GMBH, Postfach 75, 34 Göttingen, Vest-
Tyskland (DBR)
WI Prof. Williams, Wisconsin, USA.
WVS Western Valley Seed Co., Lewiston, Idaho, USA.
WW W. Weibull AB, Fack, 261 20 Landskrona 1, Sverige.
ZKB Beukel-Monster, Havenstraat 54, Monster Z.H., Nederland

LEEK VARIETY TRIAL 1977

3 replications. Plot size 6,5 m² (100 plants).

Variety	Seed supplier	Length of stem in mm	Yield in kg/daa		Per cent Class I
			Total	Class I	
1 Autumn Mammot	ASM	259	3615	3380	93,5
2 Regius Hg	LOG	266	4523	4256	94,1
3 Splendid Enkona	LOG	258	4088	3920	95,9
4 Longa	OEK	456	3661	3222	88,0
5 Rese	OEK	289	4292	4103	95,6
6 Titan OE	OEK	295	4088	3920	95,9
7 Kilima	RS	294	4092	4055	99,1
8 Enormus	VDB	251	4169	4077	97,8
9 Molos	VDB	226	4511	4443	98,5
10 Balder	WW	296	4019	3802	94,6
11 Long	WW	296	4023	3492	86,8
12 Mimer	WW	258	3938	3666	93,1

Seeded: March 22.

Planted: May 26.

ONION OBSERVATION TRIAL 1977

Two replications

Variety	Seed-supplier	Yield in kg/daa				Average onion weight in grms
		Class I	Class II	Discarded	Total	
1. Compas	ARZ	2250	1400	910	4560	27.2
2. Rocket	ASG	3970	880	830	5680	31.3
3. XP 25	"	2890	1150	1550	5590	31.3
4. XP 73	"	2700	2260	1520	6480	41.0
5. XP 644 *	"	1580	4500	1660	7740	72.4
6. Fantastic	"	5160	1130	800	7090	31.1
7. Balstora	BEM	5260	1810	1140	8210	45.6
8. Robusta	"	5020	1810	3070	9900	61.7
9. Bedfordshire Champion	CS	2660	1830	1850	6340	52.8
10. Big Ben	"	1890	1150	2340	5380	39.5
11. Ingof(Rijnsb.select)	"	2120	690	3950	6760	41.3
12. Brahma F ₁	DES	320	580	8120	9020	36.0
13. Hucher F ₁	"	2740	1140	5410	9290	43.6
14. PLK F ₁	"	3250	160	740	4150	23.4
15. 9010 F ₁	"	3620	8850	1240	5710	29.2
16. Compas ₁	DP	3550	2630	640	6820	40.9
17. Produce *	"	2380	2400	220	4980	36.6
18. Produskin *	"	5440	2900	400	8740	45.3
19. Solo	"	2460	700	3260	6420	42.1
20. Zcolina	DSG	900	2750	3040	6690	39.9
21. Mabol	ENK	2060	2140	4430	8630	41.6
22. Polina	"	2650	2110	4800	9560	68.1
23. Bronzeage hybrid	FM	2730	2180	3320	8230	36.4
24. Coppercache hybrid	"	3080	1620	2520	7220	41.2
25. Robot	GBR	4920	2430	1820	9170	42.5
26. Envee	HS	4300	2060	1590	7950	39.8
27. Waldo	"	5210	4790	1230	11230	50.5
28. Hybrid 141	LC	4520	1380	450	6350	43.3
29. Hybrid 151	"	3260	2050	1280	6590	41.8
30. Hybrid 161	"	4310	1760	490	6560	32.6
31. Rima	LD	6750	1960	290	9000	35.8
32. Zirius	"	5700	750	920	7370	41.9
33. Owa	OEK	0	5240	740	5980	42.4
34. Rijnsburger	"	6250	1270	470	7990	44.0
35. Rijnsburger Idol	"	6250	3220	210	10080	56.1
36. Troko	"	2860	1320	760	4940	31.0
37. Rivato	RS	4260	1320	420	6000	88.6
38. Jumbo	S&G	9160	1130	1200	11490	51.7
39. Sturon	"	4770	1570	730	7070	34.8
40. SvD 003, Rize E	SUH	7400	2080	1090	10520	57.9
41. SvD 007, Hamund *	"	9100	900	380	10360	55.6
42. SvD 011, Rigo *	"	7720	2700	600	11020	54.3
43. SvD 016 *	"	700	3560	1260	5520	48.4
44. 35762	"	4570	3390	150	8550	59.8
45. Amber Express *	TA	6460	3780	80	10320	60.2
46. Leatherjacket	VDB	4760	2160	710	7630	43.3
47. K 32 F ₁	WW	4140	1720	920	6780	42.2
48. Rika	"	5120	2020	670	7810	50.3

* One plot only.

Sown directly medio May.

Harvested medio September.

Plot size 0.5 m².

HEAD LETTUCE VARIETY TRIAL 1977

Unheated polyethylene green-house

Variety	Seed supplier	Mean head weight grams	Experimental error grams	Intensity of colour 1 - 9	Head formation 1 - 9	Head firmness 1-9	Botrytis cinerea 1 - 9	Uniformity 1-9	Suitable for Norwegian market 1-9
1 Plena	BEM	212	31,1	4	6	5	9	6	5
2 Darka	BEM	232	30,9	5	6	5	7	6	5
3 Tornado	BRU	209	30,8	6	4	6	9	7	6
4 Bellona	DP	193	37,0	5	5	6	9	6	5
5 Salina	DP	229	34,2	7	8	7	8	7	7
6 Alicia	ENK	223	26,8	5	9	7	8	8	8
7 Tordine	ENK	201	30,8	7	9	8	7	7	7
8 Verpia	LC	211	30,9	6	6	3	8	5	3
9 Ostinata	VDB	223	34,5	5	8	8	7	7	7
10 Ravel	RZ	227	36,7	6	5	6	9	6	6

Seeded: March 8.

Planted: April 4.

Harvesting dates May 12 and 18.

SORREL AND CHERVIL VARIETY TRIALS 1977

Unheated polyethylene green-house.
2 replications. Plot size 0,38 m².

Sorrel varieties	Seed supplier	Width of leaves	Yield kg per m ²		
			18th of May	9th of June	Total
1. Breite von Belleville	LC	Narrow	5,590	2,580	8,170
2 Gruene von Nozay	LC	Narrow	5,540	2,705	8,245
3 Large de Belleville	LC	Broad	3,710	1,960	5,670
4 Zurkel	SUP	Broad	2,770	1,420	4,190
Chervil varieties		Curled 1 - 9			
1. Chervil	HS	5	2,710		
2 Brusseler Winter	LC	6	2,435		
3 Crauser	LC	8	2,870		
4 Gewöhnlicher	LC	5	2,535		
5 Common chervil	LOG	6	2,550		
6 Brussels Winter	RS	6	2,725		
7 Big-Leaved Chervil	VDB	5	2,770		

Seeded: March 14 in peat-pots in heated green-house.

Seedlings thinned to two plants in each pot.

Planted March 30 (100 x 100 mm, it means 200 plants per m²).

For chervil, figures from second harvest were unfortunately not observed.

CAULIFLOWER VARIETY TRIAL 1977

a = Early planting
 b = late planting

Two replications

Variety	Seed-supplier	Plant-period	Days from planting to 50 per cent yield	Length of yield period in days	Yield in kg/daa		Per cent class I
					Total	Class I	
1 24113	SUS	a	72	22	2588	586	22.6
		b	61	21	2259	957	42.4
2 24180	"	a	79	14	1794	788	43.9
		b	67	7	1895	1527	80.6
3 24182	"	a	78	8	1850	679	36.7
		b	70	22	2176	814	37.4
4 24236	"	a	78	11	2697	161	6.0
		b	70	15	2247	0	0
5 24261	"	a	79	16	2412	1650	68.4
		b	75	17	1831	1374	75.0
6 24289	"	a	80	16	1090	778	71.4
		b	69	26	1288	88	6.8
7 34702 K	"	a	71	14	2530	902	35.7
		b	60	22	1792	377	21.0
8 34754	"	a	64	22	2871	1401	48.8
		b	48	21	1244	1188	95.5
9 34755	"	a	70	23	1999	1299	65.0
		b	55	20	1915	1621	84.6
10 34919 K	"	a	81	17	1491	739	49.6
		b	-	-	1378	1043	75.7
11 34920 K	"	a	75	18	2783	1422	51.1
		b	71	24	1875	1795	95.7
12 34923 K	"	a	55	26	1512	700	46.3
		b	52	20	1620	655	40.4
13 35004 K	"	a	77	10	1191	38	3.2
		b	85	12	1609	466	29.0
14 35005 K	"	a	67	22	3865	3245	84.0
		b	70	17	2292	1649	71.9
15 35018 K	"	a	78	14	2268	1567	69.1
		b	76	19	2147	1694	78.9
16 Vita	LD	a	71	18	3530	665	18.8
		b	67	19	2509	491	19.6
17 Meteor	"	a	72	21	2705	1845	68.2
		b	70	22	1745	874	50.1

cont.

Cauliflower - continuation

Variety	Seed-supplier	Plant-period	Days from planting to 50 per cent yield	Length of yield period in days	Yield in kg/daa		Per cent class I
					Total	Class I	
18 Danova	LD	a	77	11	1502	680	45.3
		b	68	21	2291	957	41.8
19 Albion	S&G	a	80	19	2632	1435	54.5
		b	82	21	1126	387	34.4
20 Evromek	ENK	a	70	27	3377	1926	57.0
		b	67	22	2362	1342	56.8
21 Friso	"	a	75	17	2753	2236	81.2
		b	69	24	1873	1436	76.7
22 Alpha of Record	"	a	73	22	2658	1396	52.5
		b	61	15	1486	1051	70.7
23 Marva	BEM	a	56	22	2241	2216	98.9
		b	63	20	1685	1466	87.0
24 Erfu	LD	a	74	33	1896	1675	88.3
		b	69	13	1705	1022	59.9
25 Starla	LD	a	66	29	2375	1747	73.6
		b	66	29	2254	1272	56.4
26 Harbold	GBR	a	73	21	2509	1320	52.6
		b	66	26	2112	1199	56.8
27 Snow King	TA	a	-	-	-	-	-
		b	-	-	-	-	-
28 Snow Crown	TA	a	50	27	1778	1525	85.8
		b	57	23	1593	1208	75.8
29 <u>White Top</u>	S&G	a	80	20	2474	2269	91.7
		b	79	20	1970	1349	68.5
30 Tornado	"	a	57	24	2657	2037	76.7
		b	62	24	2019	1139	56.4
31 Talbion	"	a	78	14	2394	940	39.3
		b	82	17	1139	871	76.5
32 Exp. Hybr. 6382	KEY	a	93	8	1007	0	0
		b	85	14	650	387	59.5
33 Exp. Hybr. 6353	"	a	78	9	1927	845	43.9
		b	67	27	2208	925	41.9
34 T - 7	OEK	a	75	23	2567	1137	44.3
		b	67	7	1559	846	54.3
35 Strong	"	a	77	15	1862	598	32.1
		b	72	18	1972	1588	80.5
36 Clou	"	a	73	15	3002	1767	58.9
		b	67	20	1965	795	40.5

cont.

Cauliflower - continuation

Variety	Seed-supplier	Plant-period	Days from planting to 50 per cent yield	Length of yield period in days	Yield in kg/daa		Per cent class I
					Total	Class I	
37 Idol	OEK	a	58	19	2306	2306	100
		b	62	20	2149	1574	73.2
38 Brio	"	a	54	29	2550	2444	95.8
		b	61	20	1666	1048	62.9
39 AH 986 Vali	AH	a	61	24	2071	1261	60.9
		b	68	32	2305	1168	50.7
40 Codania	"	a	72	34	2622	1417	54.0
		b	62	36	1891	1315	69.5
41 Garant	"	a	57	29	1811	1314	72.6
		b	57	24	2114	1606	76.0
42 Pomalba	RS	a	68	26	2716	1839	67.6
		b	64	21	1920	874	45.5
43 Parnas	"	a	75	22	2656	1383	52.1
		b	75	25	1398	734	52.5
44 Alpha Fortados	"	a	65	23	3043	1902	62.5
		b	65	16	2332	861	36.9
45 RS 356	"	a	57	30	2757	2200	79.8
		b	57	18	1939	1163	60.0
46 Herbstreuzer Meru	"	a	77	25	1885	978	51.9
		b	72	25	2004	925	46.1
47 Nimba	"	a	60	24	2714	1100	40.5
		b	71	22	1588	804	50.6
48 RS 351	"	a	76	23	2666	2553	95.8
		b	63	17	2154	1194	55.4
49 Lagon	"	a	87	25	1721	1296	75.3
		b	83	35	1455	1342	92.2
50 Sv C 012	SUH	a	72	16	2928	1740	59.4
		b	72	32	1753	1630	93.0
51 Sv C 011	"	a	70	22	2854	2030	71.1
		b	72	32	1972	1620	82.2
52 Sv C 003, Svale	"	a	66	22	3419	2112	61.8
		b	72	30	1896	1180	62.2
53 Sv C 008	"	a	73	18	3377	2087	61.8
		b	78	17	1802	1355	75.2
54 Sv C 006	"	a	76	19	2055	684	33.3
		b	66	8	1939	687	35.4
55 44656 K	"	a	74	12	2396	1393	58.1
		b	67	8	2225	625	28.1

Cauliflower - continuation

Variety	Seed-supplier	Plant-period	Days from planting to 50 per cent yield	Length of yield period in days	Yield in kg/daa		Per cent class I
					Total	Class I	
56 Sv C 010	SUH	a	69	25	2832	1923	67.9
		b	58	22	1981	1594	80.5
57 446 82 K	"	a	77	18	2279	1346	59.1
		b	69	9	2047	1363	66.6
58 Sv C 009	"	a	75	25	2499	1379	55.2
		b	69	24	1973	701	35.5
59 Runa	WW	a	77	19	2604	1559	59.9
		b	84	38	1574	1041	66.1
60 Brendo	DP	a	73	20	2933	573	19.5
		b	75	23	2028	356	17.6
61 Olga	LC	a	75	20	3148	1251	39.7
		b	69	15	2018	175	8.7
62 Alco	HS	a	65	27	2259	1302	57.6
		b	64	12	1763	844	47.9
63 Hormade	GBR	a	77	22	2900	2303	79.4
		b	66	34	2032	1478	72.7
64 Hornstar	"	a	70	28	2446	1711	70.0
		b	64	28	2091	1252	59.9
65 Cliro	ARZ	a	73	20	2886	882	30.6
		b	80	20	1415	704	49.8
66 Venus	"	a	55	29	2400	1722	71.8
		b	47	25	2108	1462	69.4
67 Pioner	"	a	73	28	2713	1990	73.4
		b	69	29	1876	1192	63.5
68 Lero	"	a	78	24	1642	1264	77.0
		b	68	12	1674	790	47.2
69 Sollux	DSG	a	79	17	1724	558	32.4
		b	70	34	1795	788	43.9
70 Snowflower	ASG	a	76	18	2700	2493	92.3
		b	69	23	2503	1851	74.0

a) Seeded April 22
Planted May 25

b) Seeded May 24
Planted June 28

Plot size: 5.2 m²

Plant number: 20

RADISH VARIETY TRIAL 1977

Unheated polyethylene green-house. 4 replications. Seeded March 28. Harvested May 12 and 18.

Variety	Seed supplier	Number of sale-able/m ²	% sale-able	Weight in grams of 15 saleable	% foliage of plant weight	Terminal root tip *	Root shape **	Intensity of skin colour ***	Sponginess 1-9	% Bolt-ing
1 Agat	AH	255	66,1	156	28,1	w-m	r	m-i	6,5	7,0
2 AH 78	AH	279	75,9	123	31,6	m	cyl	m	5	2,8
3 Asmer Flamenco	ASM	241	67,3	105	23,9	w-m	r	m-i	7,5	5,7
4 Alvo	BRU	252	74,7	144	25,8	w-m	r	m-i	6	2,5
5 Relish tray mixture	DES	56	34,0	-	-	-	-	-	-	41,2
6 Real	DP	252	76,3	152	27,6	m	r-fl,r	m	6	4,1
7 Scharo	ENK	255	76,9	159	25,4	w	r	w-m	8	2,1
8 Red Devil	FM	197	60,1	151	38,3	m-v	r	m	6,5	37,3
9 Cherry Belle	FM	219	67,5	159	30,3	w-m	r	m	8	7,3
10 French Breakfast	HS	289	69,4	126	33,4	w	cyl	w-m	6	0
11 Scalentino	HS	240	75,8	167	26,2	m	r	m-i	6	3,2
12 Bamba	LC	228	64,4	130	29,1	m	cyl	w-m	5,5	1,4
13 Rubin	LD	224	68,8	168	27,7	w-m	r	m	7,5	2,6
14 Roky Original	LOG	243	83,1	198	24,1	w-m	r	m	6	2,9
15 Rota	LOG	243	70,8	193	24,7	w-m	r	m	7	6,4
16 Red Prince	NK	209	72,8	144	30,8	m-v	r	m	7	21,9
17 Red Boy	NK	187	72,4	130	30,9	m	r	m	6,5	20,4
18 Robino	RZ	213	80,6	169	44,1	w-m	r	w-m	7	6,5
19 Prinz Rotin	SPER	194	71,3	122	49,2	v	r	m	8,5	15,0
20 Carnita	SPER	185	68,1	143	38,7	v,	r	m	9	28,1
21 Parat	SPER	128	52,1	209	44,2	v	r-fl,r	m	9	34,7
22 Knacker	SPER	279	79,6	166	25,9	m	r	m	6,5	8,3
23 Neoro	S&G	252	81,3	166	24,6	w-m	r	m	5	4,4
24 Inca	S&G	264	76,4	181	27,7	w-m	r	m	7,5	0
25 Rubinova	SUH	273	78,2	155	26,5	m	r	m	6,5	1,0
26 Americano	VDB	284	76,3	148	24,4	w	r	m	6,5	5,9
27 Hawo 13	WAV	284	75,9	171	24,8	w-m	r	m	6	5,0
28 Pinkie	ARZ	243	69,8	122	27,7	m	r	w	8	0

*w=weak m=medium v=vigorous
 ** cyl=cylindrical r=round fl=flat
 *** w=weak m=medium i=intense

TURNIP VARIETY TRIALS 1977

Unheated polyethylene green-house. 1 plot soil heated, 1 unheated.
Plot-size 0,45 m².

Variety	Seed supplier	Number of saleable ₂ plants/m ²		Leaf vigour 1-9	Shape of root *)	Taste 1 - 9	Bitterness 1 - 9	Fibres 1-9	Skin colour
		Un-heated	Heated						
1 Shiro F ₁	KEY	46	57	5	r	7	9	8	White
2 Sprinter	LC	88	64	7	fl	4	5	6	" + red top
3 Milan hvid	LD	62	53	8	fl	5	9	9	White
4 Milan rød	LD	48	48	7	fl	4	7	9	" + red top
5 Petrowsky N 53	LOG	26	40	-	-	-	-	-	Yellow
6 Hv.Rev.Mailander	OEK	62	64	8	fl	6	8	9	White
7 Rødhoved Forca	OEK	92	62	7	fl	5	8	9	" + red top
8 Milano	RS	73	68	7	fl	4	7	9	" + " "
9 Sak. foliage turn.	SAK	4	57	3	fl.r	7	9	9	White
10 Tokyo Mark. Exp.	SAK	66	64	3	r	8	9	9	"
11 Tokyo Top	SAK	20	53	6	r	6	9	9	"
12 Cyclon	S&G	2	13	-	-	-	-	-	Yellow
13 Meetjislander r.	SUP	-	9	-	r	-	-	-	--
14 Tokyo Cross	TA	84	62	8	r	6	9	7	White

Seeded: March 29

Harvested: May 12 and 18.

*) Fl means flat
r means round

TOMATO VARIETY TRIALS 1977

Replications: Greenhouse: 1 Plot size: 1,5 x 1,3 m. Plant number: Green house: 26
 In open : 2 In open : 10

Variety	Seed supplier	Yield in kg/daa				Fruit					
		In polyethylene green-house		In open	Total	Weight in g Class I	Height/width in mm	Fruit shape index	Wall thickness in mm	Number of seed-rooms	
		Up to Aug.25	Total								Per cent Class I Class II discarded
1 Yellow Pear	AB	500	1095	42-26-32	2630	13	39/25	1,56	5	2-3	
2 492 F ₁	ARZ	638	4756	82-11-7	6490	67	45/49	0,91	2	2-3	
3 Nr. 2504 F ₁	ARZ	62	5821	81-10-9	5250	55	50/50	1,00	6	2-3	
4 Early Girl	BALL	4590	6300	61-10-29	8920	100	44/53	0,83	3	3-6	
5 Salad Top	BALL	1205	2703	29-27-44	3960	14	35/34	1,02	2	2-3	
6 Lycoprea	BGP	2923	7051	67-17-19	8020	41	33/45	0,84	3	4	
7 1218/76	BRU	1676	7028	82-9-9	9730	79	47/59	0,79	5	2-5	
8 1219/76	BRU	2626	7259	78-11-11	8810	83	53/54	1,07	3	3-6	
9 1220/76	BRU	2787	4118	58-16-26	8730	32	51/61	0,83	5	3-4	
10 1224/76	BRU	1977	8405	81-6-13	9200	66	43/55	0,87	5	3-5	
11 Castleprize VEN	CA	1103	5495	38-19-43	6840	126	66/62	1,06	2	3-6	
12 Atom	CS	1877	2926	33-19-48	3800	12	30/30	1,00	3	2-3	
13 Calace	CS	--	6174	59-7-34	3530	149	47/63	0,74	6	6	
14 Golden Sunrise	CS	1079	5167	82-9-9	5220	44	43/47	0,91	4	2-3	
15 Hardicross F ₁	CS	2341	8079	78-10-12	9040	40	44/51	0,80	6	3-4	
16 Moneymaker Shaper Selection	CS	408	5967	86-6-8	6980	64	40/47	0,85	6	2-3	
17 Pixie F ₁	CS	3766	6205	76-12-12	7280	44	36/46	0,78	3	3-6	

cont.

Tomato cont.

Variety	Seed supplier	Yield in kg/daa				Fruit					
		In polyethylene green-house		In open	Total	Weight in g Class I	Height/width in mm	Fruit shape index	Wall thickness in mm	Number of seed-rooms	
		Up to Aug. 25	Per cent Class I Class II discarded								
18 Sleaford Abundance F ₁	CS	1872	4662	56-14-30	6450	20	39/41	0,95	3	2-3	
19 Nr. 96 F ₁	DP	2269	6956	80-12-08	9130	55	47/52	0,90	6	2-3	
20 Nr. 2451 F ₁	DP	1033	4326	60-12-28	7860	55	48/48	1,00	4	2-3	
21 Edelrot	DSG	4274	6985	72-17-11	7120	52	42/45	0,93	3	3-6	
22 Harzfeuer	DSG	3212	7728	88- 4- 8	9890	52	38/45	0,84	5	2-3	
23 Hellperle	DSG	1136	7125	93- 2- 5	8270	57	45/50	0,90	4	2	
24 Angela F ₁	ENK	--	6236	69-11-20	6730	68	50/54	0,92	7	2-3	
25 Elvira F ₁	ENK	1290	2859	58-13-29	6310	40	44/50	0,88	5	2-4	
26 Estrella	ENK	710	4259	82- 9- 9	7980	62	47/53	0,88	8	2-3	
27 Eurovite F ₁	ENK	1356	4779	70- 9-21	7360	66	54/61	0,88	5	3-5	
28 Rovena	ENK	1128	3365	82- 0-18	7210	72	49/57	0,85	6	2-4	
29 Nr. 3595 F ₁	ENK	941	2762	51-33-16	4400	38	49/52	0,94	6	2-3	
30 Jackpot 17181 F ₁	FM	1264	5956	57-12-31	7040	111	56/75	0,74	6	6-7	
31 Red Cherry	FM	1121	2246	51-23-26	2580	19	33/36	0,91	3	2	
32 Royal Flush 17153 F ₁	FM	1228	4890	71-17-12	6420	115	63/72	0,87	6	5-7	
33 FM 42668 VF	FM	487	2492	73- 2-25	4790	43	51/46	1,10	5	2	
34 FM 44062 VF	FM	569	3867	83- 7-10	7380	58	52/53	0,98	6	2-3	
35 Tumbler Tom F ₁	GSC	1769	5185	69-19-12	4510	85	53/48	1,10	6	3-5	
36 Red pak	HAR	3236	8987	48-30-22	8270	131	52/63	0,82	4	6	

cont.

Tomato cont.

Variety	Seed-supplier	Yield in kg/daa				Fruit					
		In polyethylene green-house		In open		Weight in g Class I	Height/width in mm	Fruit shape index	Wall thickness in mm	Number of seed-rooms	
		Up to Aug. 25	Total	Per cent Class I Class II discarded	Total						
37 Primabel	LC	3092	4672	45-11-44	6850	56	50/58	0,86	8	2-3	
38 Sofia F ₁	LC	3387	8369	82-12-6	11450	85	48/60	0,80	4	4-6	
39 Toy Boy F ₁	MSG	2331	5010	67-10-23	8510	27	36/40	0,90	4	2-3	
40 J. 506 Hybrid	NSDO	3659	7610	72-16-12	7460	56	46/50	0,92	5	2-5	
41 Matador GCR 322	NSDO	1190	4495	62-6-32	4700	58	45/58	0,77	7	2	
42 Ace 397	OEK	1095	5567	49-30-21	3490	123	55/68	0,80	7	5-8	
43 Doton F ₁	OEK	2458	6667	84-11-5	11180	76	45/54	0,83	6	3	
44 Heros	OEK	743	7792	85-7-8	5600	58	48/51	0,90	7	2-3	
45 Jubi	OEK	--	5900	77-22-1	4480	106	43/50	0,86	5	5	
46 Marglobe Surpreme	OEK	--	5392	71-8-21	4390	98	55/65	0,84	3	3-5	
47 Sumak	OEK	797	3972	66-10-24	4260	89	55/66	0,83	5	4-7	
48 Vema	OEK	--	4562	75-10-15	4080	68	55/59	0,93	4	4-6	
49 Hybrid Bioset 210-242	PS	1892	10064	76-12-12	7700	134	58/68	0,85	4	5-6	
50 Primset F ₁	RS	--	5208	62-19-19	2920	98	45/56	0,80	5	7	
51 Verdon VF-F ₁	RS	1408	7321	77-8-15	7710	62	52/58	0,89	6	2-5	
52 No. 8891 R.S.	RS	723	5087	65-5-30	4610	75	50/56	0,89	7	3-5	
54 E 114 BR	S&G	897	3700	82-7-11	7670	72	54/68	0,79	4	3-8	
55 E 114 Tm	S&G	1364	5351	73-11-16	9470	90	53/60	0,88	7	3-5	
56 E 123 Tm	S&G	1033	4933	90-5-5	10880	67	46/54	0,85	6	2-5	

cont.

Tomato cont.

Variety	Seed supplier	Yield in kg/daa			Fruit					
		In polyethylene green-house		In open	Weight in g Class I	Height/width in mm	Fruit shape index	Wall thickness in mm	Number of seed-rooms	
		Up to Aug.25	Total	Per cent Class I Class II discarded						Total
57 E 132 Tm VFN	S&G	--	4731	79-12-9	8040	99	52/59	0,88	4	3-4
58 E 250 Tm VFN	S&G	1159	6349	82-11-7	7550	110	59/64	0,92	5	3-5
59 E 251 Tm VFN	S&G	2421	8505	70-9-21	5890	66	55/67	0,82	7	4-6
60 Hybrid 32081 Tm CF	S&G	2556	6108	68-15-17	4910	41	48/52	0,92	5	3-4
61 Luca	S&G	3808	9705	75-11-14	10930	78	46/51	0,90	4	2-4
62 Lucy	S&G	1838	6344	59-15-26	9870	60	46/51	0,90	5	3-4
63 Speedy	S&G	4536	10030	76-14-10	10650	94	49/64	0,76	7	4-6
64 Topy	S&G	--	4410	60-15-25	5880	37	50/55	0,90	6	2-3
66 Jetfire VF ₁	STO	3028	3608	52-22-26	9560	111	46/55	0,83	2	5-6
67 Nova	STO	715	7326	56-17-27	5610	27	74/37	2,00	5	2-3
68 Orange Queen	STO	2079	6805	88-3-9	8370	64	43/48	0,89	4	3-6
71 Starfire	STO	1531	5500	39-31-30	8640	91	53/76	0,69	4	10
72 Stokes Early Hybrid F ₁	STO	1287	5287	59-23-18	7150	78	45/52	0,86	3	4-7
73 Swift	STO	3294	5867	73-13-14	9430	68	53/64	0,82	2	7
75 Hope No. 1	TA	941	6721	68-6-26	6400	185	54/70	0,77	7	6
76 Master No. 2	TA	1521	3877	57-10-33	5390	89	50/72	0,69	6	4-6
77 Master No. 3	TA	1131	4964	67-15-18	4930	120	41/49	0,83	4	3-6
78 Marcanto F ₁	VDB	590	6785	74-7-19	6830	64	56/61	0,91	7	3-6
79 Meltine	VDB	--	6431	70-18-12	6720	73	53/53	0,89	6	2-4

cont.

Tomato cont.

Variety	Seed supplier	Yield in kg/daa			Fruit					
		In polyethylene green-house		In open	Weight in g Class I	Height/width in mm	Fruit shape index	Wall thickness in mm	Number of seed-rooms	
		Up to Aug. 25	Total	Per cent Class I Class II discarded						Total
80 Sonatine	VDB	546	3821	87-5-8	5490	48	43/47	0,91	6	2-3
82 Arla	WW	3128	5223	46-20-34	6050	32	35/44	0,79	3	3-6
83 WW 0100	WW	3067	6005	62-15-23	8390	43	45/51	0,88	4	6
84 WW 0112	WW	708	6115	81-13-6	8830	66	39/42	0,90	4	4-6
85 WW 0113	WW	3594	8905	58-18-24	8380	84	40/57	0,70	4	4-7
86 WW 0116	WW	2377	5854	75-12-13	7390	45	47/52	0,79	4	3-5

Seeded: April 21

Seedlings transplanted: May 6

Planted: May 26

SWEET PEPPER VARIETY TRIAL 1977

Unheated polyethylene green-house. 2 replications. 8 plants in each plot.

Variety	Seed supplier	Class I up to August 18 kg/m ²	Total kg/m ²	Per cent Class I	Fruit size grm Class I	Length/width	Wall thickness mm
1 Pip	ASG	1,040	3,615	77,5	121	1,38	5,1
2 111/76	BRU	1,080	3,370	79,8	83	1,26	5,8
3 5424/75	BRU	1,090	3,665	74,2	119	1,09	6,2
4 Manto	DP	1,415	3,730	78,1	121	1,30	5,5
5 Clio	ENK	1,170	3,590	75,4	108	1,35	6,0
6 Sweet Boy F ₁	ENK	1,335	3,695	80,3	111	1,25	6,4
7 Lady Bell	HAR	1,560	5,318	70,3	123	1,59	6,5
8 Agros	LC	0,830	3,000	67,6	124	1,62	5,8
9 Toledo F ₁	LC	1,095	3,500	70,5	136	1,95	6,1
10 Pekana	OEK	1,345	3,995	73,0	109	1,42	5,7
11 Wino	OEK	1,120	4,645	62,3	98	1,79	4,7
12 Early Set	OST	1,260	3,945	83,5	109	1,71	6,0
13 Super Set	SAK	0,895	4,485	60,2	99	1,51	5,8
14 Clovis	S&G	0,915	3,755	73,6	133	2,48	6,1
15 Express Bell	TA	1,155	4,155	64,1	60	1,92	4,2
16 New Ace	TA	1,525	4,440	67,4	92	1,52	4,5
17 NZ 1010	WAV	0,985	3,255	68,6	97	1,54	6,2

Seeded: April 20

Planted: June 8

First harvest: July 14

SWEET PEPPERS VARIETY OBSERVATIONS 1977

Heated green-house. Unheated soil. No pruning. No replications. 15 plants in each plot.

Variety	Seed-suppliers	Plant				Yield		Fruit			
		Uni-formity 1-9	Growth 1-9	Vigour 1-9	Height in mm medio Aug.	Class I kg/m ² July 7	Total kg/m ²	Length in mm	Width in mm	Length/width	Wall thickness mm
1 111/76	BRU	4	8	1	277	0,69	2,08	78	67	1,16	4,5
2 5424/75	BRU	6	5	8	1025	0,68	4,59	94	72	1,31	4,5
3 Bruinsma Wonder	BRU	8	5	7	852	0,55	3,38	100	72	1,39	5,5
4 Cadice	S&G	5	5	7	946	1,74	7,10	105	73	1,44	4,5
5 Deltana	VDB	7	5	6	888	1,30	5,00	101	72	1,40	5,5
6 Tisana	VDB	7	6	7	878	0,49	4,97	95	69	1,38	4,5
7 New Ace	TA	6	7	4	762	1,58	5,92	104	68	1,53	4,0
8 Clio	ENK	7	8	2	432	0,77	3,78	95	71	1,34	4,5
9 Propa	ENK	8	7	7	923	1,03	5,41	95	72	1,32	6,0
10 Propenza	ENK	6	5	7	922	0,42	5,06	89	71	1,25	5,5
11 Super Set	SAK	5	6	6	788	0,73	4,30	109	68	1,60	4,0
12 Manto	DP	7	5	7	797	0,77	3,73	87	68	1,28	5,0
13 Pekana	OEK	5	6	6	827	1,44	6,05	90	67	1,34	4,5

Seeded: February 11.

Planted: April 15.

First harvest: June 16.

Uniformity 9 means completely uniform plants.

Growth 9 means very bushy and compact growth.

Vigour 9 means very vigorous plants.

SWEET PEPPER VARIETY TRIAL 1977

Heated Green-house. Heated soil. Two vines. Branches pruned.
3 replications. 3 plants in each plot.

Variety	Seed supplier	Plant vigour 1 - 9	1. month harvest kg/m ² Up to June 23	Total kg/m ²	Per cent class I	Fruit size Class I in gm.
1 Bruinsma Wonder	BRU	5,5	2,225	6,342	75,1	112
2 5424/75	BRU	6,0	2,085	6,480	62,1	107
3 Cadice	S&G	7,0	2,750	8,160	77,1	105
4 Deltana	VDB	6,5	2,155	6,145	64,9	105
5 Manto	DP	4,5	2,000	5,225	74,0	102
6 New Ace	TA	7,0	2,255	7,150	72,1	98
7 Propa	ENK	6,0	2,210	5,815	66,0	113
8 Propenza	ENK	6,5	1,925	4,915	67,0	109
9 Super Set	SAK	7,0	2,490	7,665	84,8	103
10 Pekana	OEK	7,0	2,650	7,600	79,3	103

Seeded: February 11

Planted: April 1

Branches pruned at regular intervals (7-9 days)

First harvest Mai 20

Vigour 9 means very vigorous

Fruit size class I in grms. is mean of all fruits harvested

EGGPLANT VARIETY TRIAL 1977

Hot green-house. 2 replications. 3 plants in each plot (=1,3 m²).
Subirrigation.

Variety	Seed supplier	Days to anthesis	Yield in kg/m ²			Mean fruit size Class I in grms
			Class I up to June 28	Total Class I	Total	
1 Radja	RZ	70	2,835	4,760	7,105	169
2 Baren	LC	73	1,544	4,990	5,755	138
3 No. 44	OEK	73	2,790	5,245	6,345	192
4 Mammouth	VDB	70	2,035	4,705	5,750	163
5 Royal Knight	STO	76	1,170	3,130	4,325	160
6 Aubru	BRU	76	3,095	5,065	6,885	183
7 Black Magic	HAR	73	2,075	6,230	7,035	151
8 Moneymaker No. 2	TA	67	0,700	3,770	5,680	71

Seeded: February 11.

Seedlings transplanted: March 2.

Transplanted to 15 1 PVC-containers March 25.

PICKLING CUCUMBER VARIETY TRIAL 1977

2 replications.

Variety	Seed supplier	Days to 50% yield	Relative yield	Number of fruits per m ²	T/ha	Per cent of class I in each size				Mean fruit-weight in grms	Per cent suitable for processing	
						Total	Class I	60-90 mm	90-110 mm			110-130 mm
1 Beata	BRU	92	47	18	1200	1000	2	10	20	69	73	82
2 1329/73	BRU	77	122	40	2700	2500	12	18	12	58	69	94
3 Matara	RZ	82	104	56	2300	2100	41	37	18	4	43	91
4 <u>Levo</u>	S&G	83	<u>100</u>	50	2200	2100	34	40	21	5	45	93
5 Sirio	ENK	83	90	50	2000	1800	45	26	22	6	41	90
6 Nr. 1296	ENK	79	101	45	2200	2100	29	27	28	15	53	93
7 Levotex	ENK	82	75	49	1700	1600	49	32	16	4	36	89
8 Salad Ace	TA	90	22	15	900	400	0	3	10	86	57	49
9 Green Knight	TA	81	7	6	200	100	10	12	14	64	49	57
10 Tokyo Slicer	TA	85	34	19	1100	700	0	3	11	87	70	66
11 Eriko	S&G	83	70	37	1500	1400	39	35	18	8	42	94
12 Florino	S&G	83	80	44	1800	1700	35	32	25	9	41	90
13 Marex	S&G	78	74	22	1900	1500	0	4	11	84	98	80
14 SG 885	S&G	75	77	26	1700	1600	19	14	20	47	64	93
15 Goddess	KEY	81	72	37	1700	1500	32	26	22	20	49	85
16 Asie T-9	OEK	83	72	21	1900	1500	2	7	13	78	105	78
17 Sveno	OEK	83	65	32	1500	1300	14	26	22	39	49	89
18 Forma	OEK	83	74	38	1700	1500	17	28	27	29	45	91
19 T-24	OEK	83	77	41	1800	1600	31	37	26	7	45	88
20 Fanto	RS	86	51	28	1100	1000	43	33	20	4	40	94

cont.

Pickling cucumber - continuation

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				Mean fruit weight in grams	Per cent suitable for processing
					Total	Class I	60-90 mm	90-110 mm	110-130 mm	>130 mm		
21 Fakor	RS	82	76	45	1700	1600	51	35	11	3	37	94
22 Korbit	RS	79	104	54	2300	2100	45	33	22	0	42	95
23 Fablo	RS	84	87	44	2000	1800	37	35	23	5	45	91
24 Sv B 311 Tema	SUH	80	102	50	2300	2100	35	32	16	18	47	93
25 Sv B311 Felio	SUH	80	112	56	2400	2300	36	33	15	17	44	96
26 Sv B 320	SUH	78	134	61	3100	2800	25	21	21	33	52	90
27 Sv B 317	SUH	76	143	68	3500	3000	25	19	21	34	52	84
28 Kokard	WW	78	135	70	3400	2800	29	24	23	25	51	82
29 Kornett	WW	79	107	49	2700	2200	23	21	22	34	58	83
30 Capir	DP	85	81	48	1800	1700	39	35	22	4	38	94
31 Bix-Doplus	DP	84	78	41	1700	1600	33	31	20	16	42	95
32 Bix-Domino	DP	84	53	32	1200	1100	43	35	16	6	38	89
33 Vicor	DP	78	19	6	600	400	0	0	2	98	117	69
34 Fembaby	DP	79	12	5	300	200	0	1	6	93	70	74
35 Mari	DP	78	62	27	1500	1300	4	12	24	59	63	85
36 NZ 606	WAV	81	84	44	1900	1700	33	29	23	15	44	91
37 NZ 636	WAV	84	63	39	1600	1300	38	34	22	6	39	83
38 NZ 961	WAV	82	26	12	700	500	16	25	13	47	58	75
39 NZ 301	WAV	81	99	57	2300	2000	32	28	24	16	41	89
40 Mamba	LC	79	51	23	1400	1100	9	15	14	61	66	75
41 Omega	LC	83	56	31	1200	1100	48	16	19	18	40	94

cont.

Pickling cucumbers - continuation

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					Mean fruit weight in grams	Per cent suitable for processing
						Class I	mm					
							60-90	90-110	110-130	>130		
42 Philly	DES	87	17	9	400	400	42	32	16	10	41	94
43 Sweet Slice	GSC	74	67	12	1600	1400	1	2	8	89	146	88
44 Perenta	DSG	80	85	44	1900	1700	38	32	21	10	42	94
45 Kardia	DSG	82	63	36	1500	1300	38	26	17	19	45	87
46 Bitretta	DSG	83	75	42	1700	1500	46	33	18	3	42	90
47 Libelle	DSG	83	114	56	2500	2300	27	35	23	15	45	95
48 Beit Alpha	CS	83	17	8	400	300	31	26	27	16	45	97
49 Marketer	CS	86	35	21	800	700	31	31	24	15	37	93
50 Ellem	CS	85	35	18	800	700	26	42	19	14	41	95
51 Alma	CS	75	53	18	1200	1100	20	13	14	53	67	92
52 Parisian Pickling	CS	84	94	51	2100	1900	44	33	16	7	40	93
53 Perfection Ridge	CS	82	38	21	1200	800	5	8	16	71	58	63
54 Stockwood Long Ridge	CS	87	38	24	900	800	29	39	16	16	37	90
55 Tera	LD	79	102	52	2500	2100	40	31	16	13	47	85

Directly sown and covered with polyethylene May 25.
Plot size 6,5 m². One row with 25 plants.

SQUASH VARIETY TRIAL 1977

Two replications

BUSH-TYPE VARIETIES	PLANT and YIELD						F R U I T					
	Seed-Supplier	Length of internod in mm	Number of branches	Branch length in m	Number of flowers ♂/♀	Total yield in kg/daa	Mean fruitweight in kg	Length width	Rind-colour	Flesh-thickness in mm	Flesh-colour	Dry matter
1 Taormino F ₁	LC	10-20	-	-	1/1	12436	3.4	3.52	Dark green	25-35	Light Yellow	7.0
2 Black Eagle	NK	5-20	-	-	13/1	12506	1.3	3.87	Dark green	20-25	Light Yellow	5.1
3 Ambassador F ₁	OST	5	-	-	2/0	12103	3.6	4.14	Light green, spots on	20-30	Light Yellow	5.3
4 Gourmet	OST	5-10	-	-	0/6	4359	3.5	4.35	Light green, spots on dark green	25	Light Yellow	6.0
5 Patty Pan F ₁	OST	5-10	Several	0.2	50/6	6141	1.7	0.35	White	20-60	White	8.5
6 St.Pat Scallop	STO	30-40	-	-	2/2	-	-	-	-	-	-	-
7 Gold Bar F ₁	SW	10-20	-	-	0/0	5641	1.0	2.68	Deep Yellow	15-20	Yellowish green	9.2

cont.

Squash variety - continuation

FRUIT

PLANT and YIELD

VINY-TYPE VARIETIES	Seed-Supplier	Length of internode in mm	Number of branches	Branch length in m	Number of flowers ♂/♀	Total yield in kg/daa	Mean fruit weight in kg	Length/width	Rind-colour	Flesh-thickness in mm	Flesh-colour	Dry matter
8 Buttercup	DES	100-200	4	3-4	11/3	4468	1.1	0.59	Light green stripes and dark green	20-40	Deep Yellow	16.4
9 Delicious GreenDES		50-150	4	2-7	9/6	5115	2.6	0.88	Dark green	25-30	Deep Yellow	16.0
10 Delicious Golden "		50-150	5	3-4	5/0	9417	5.2	1.07	Yellowish orange	40-50	Yellow	11.1
11 Warren Turban DES		100-200	5	4-6	13/4	10000	5.2	0.54	Yellowish orange	30-40	Yellow	10.0
12 Howden's Field HAR		50-150	4	2-4	7/0	17891	3.0	1.04	Yellow spots on green	30-40	White	4.8
13 Pumpkins	LOG	50-150	6	4-5	23/2	16712	14.0	0.91	Yellow	50	Yellow	6.2
14 Butterball No.3SAK		50-150	5	2-4	3/1	4263	1.6	0.64	Greyish green	20-30	Deep Yellow	24.4
15 Home Delite SAK		50-100	5	2-5	3/0	3564	1.3	0.65	Light green stripes on dark green	20-30	Yellowish green	24.2
16 Vegetable Gourd "		50-150	7	1-2	42/4	-	-	-	-	-	-	-
17 No. 6 F ₁ SAK		100-200	5	3-5	21/8	3590	1.6	0.66	Light green stripes on dark green	10-20	Deep Yellow	22.0
18 Golden Hubbard STO		50-150	3	4-5	3/0	4462	2.7	1.72	Yellowish orange	20-30	Deep yellow	14.5

cont

Squash variety - continuation

VINY-TYPE VARIETIES	Seed-supplier	Length of internode in mm	Number of branches	Branch length in mm	Number of flowers ♂/♀	Total yield in kg/daa	Mean fruitweight in kg	Length/width	Rind-colour	Flesh-thickness in mm	Flesh-colour	Dry matter
19 Naked Seeded type	STO	50-100	7	2-3	23/0	10314	2.0	1.92	Yellow spots on green	20-30	Light yellow	7.7
20 Perfection	STO	100-200	5	1-3	%	4103	-	0.71	Light green spots on dark green	20-30	Deep	15.7
21 Small Gourds mixed	STO	50-100	5	3-4	26/15	2192	0.3	1.13	Yellowish green	10-15	Light yellow	14.2
22 Sweet Potato	STO	50-100	Several	0.2	20/6	-	-	-	-	-	-	-
23 Blue Kuri	TA	50-120	6	4-5	6/3	4660	2.0	0.64	Greyish green	20-30	Deep yellow	23.0
24 Delika	TA	50-100	6	2-4	1/0	9045	2.0	0.54	Light green stripes on dark green	20-30	Deep yellow	26.3
25 Uchika Kuri	TA	50-100	3	2-3	9/1	4628	1.5	0.78	Orange	15-30	Deep yellow	20.4
26 Tetsukabuto	TA	100-200	5	3-4	7/0	5122	2.3	0.95	Dark green	25-35	Deep yellow	19.0

Seeded May 27

Planted on clear polyethylene June 13

Between rows: Bush-types 1.3 m

Viny-types 2.6 m

Between plants: Bush-types 0.60 m

Viny-types 0.75 m

FLOWER OBS. : MEDIO SER

MELON VARIETY TRIAL 1977

Unheated polyethylene green-house, Rock-wool.
Viaflow system for irrigation.

VARIETY	Seed-supplier	Vigorous 1-9	Number of fruit per vine	Total yield kg/m ²	Per cent class I	Fruit size class Ig	Fruit shape	Net and rib	Rind colour	Flesh colour	Flesh thickness 1-9
1 Wests	AH	3	1	0.710	100	0.510	Round-obl	Slight net	Golden	Orange	8
2 Sugar	BRU	3	1	1.640	79.4	0.783	Round-obl	Medium net	Yellowish green	Green	7
3 Ananas	HS	5	1	1.150	100	0.829	Elongated	No net, slight rib	Yellowish green	White	4
4 Ido 68-02 F ₁ LC	LC	5	1-2	1.195	94.4	0.452	Round	No net, slight green rib	Golden	Orange	6
5 Aroma	LOG	3	1-2	1.650	100	0.744	Round	Medium net, no suture-rib	Yellowish orange	Orange	8
6 Northern Queen	OST	6	1	1.300	100	0.669	Elongated	Heavy net, slight rib	Yellow	Orange	6
7 Alaska	PS	8	1-2	1.740	100	0.659	Elongated	Very heavy net	Yellow	Orange	6
8 Satcoy Hybrid 003-90LPS		7	1	0.930	84.2	0.470	Round	Heavy net	Yellowish green	Dark orange, Green to the rind	7
9 No - 810	RS	8	1-2	1.800	81.2	0.584	Round oval	Slight net green rib	Yellowish orange	Green	6

cont

Melon - continuation

VARIETY	Seed-supplier	Vigour 1-9	Number of fruit per vine	Total yield kg/m ²	Per cent class I	Fruit size class I g	Fruit shape	Net and rib	Rind colour	Flesh colour	Flesh thickness 1-9
10 Harvest King	SAK	4	1-2	1.475	100	0.591	Round	Medium net slight rib	Yellow	Orange, green and yellow to the rind	7
11 Resistant Joy N 22 F ₁	SAK	4	1	1.100	87.1	0.494	Round-oblate	No net, Medium rib	Golden	Orange	7
12 Noir des Carmes Ideal	SUP	4	1	1.165	100	0.839	Round-oblate	No net, heavy ribbed	Yellowish orange	Dark orange	8
13 Sperlings Honigtopf	SPER	6	2	1.690	93.3	0.567	Round	No net, slight rib	Yellowish grey	Orange	6
14 Honey Drip	TA	4	1-2	1.650	100	0.743	Round-oblate	No net, very slight rib	Yellow	Light green	7
15 Summer Dream	TA	7	1	1.235	79.7	0.506	Round-oval	No net, slight rib	Golden	Orange, green and yellow to the rind	5
16 Wormser Goldzucker	WAV	7	2	1.725	100	0.564	Short, oval	Medium net, slight rib	Gold	Orange	6

Sowing date May 10.
 Seedlings transplanted May 20.
 All varieties topped June 11.
 Planted in Rock-wool, covered with black polyethylene June 9.

Only one vine per plant stringed.
 Two replicates. Three plants in each plot.
 Due to temperatures under normal in July and trouble with pollination yield was low this year.
 Normal yield in unheated green-house is 4-6 kg per m²

WATERMELON VARIETY TRIALS 1977

Polyethylene green-house. "Eventrickle" system for irrigation.

Three vines on each plant. One vine stringed.

Three replications.

Two plants in each plot.

	Seed-Supplier	Number of fruits per plant	Total yield kg/m ²	Per cent class I	Fruit size class I in gram	Shape	Rind	Flesh	Fruit size class I in gram in open*	
1.	Honey Cream	SAK	3-6	4,350	94.9	1155	Round	Light green, striped dark green	Yellow	1185
2	Yellow Baby	STO	2	3,625	97.0	1760	Round	Medium green, striped dark green	Yellow	1775
3	Sugar Baby	"	2-3	4,550	100	2450	Round	Dark green	Vivid red	2800
4	Market Midget	"	3-4	4,440	100	1480	Oblong	Very light green, striped light green	Red	700
5	Jolly Folk	TA	2-3	5,945	94.1	2450	Round-oblata	Medium green, striped dark green	Red	2510
6	Sweet Carnival	"	2	5,870	95.4	3015	Round	Light green, striped dark green	Red	2825
7	Midget Cream	"	3-5	4,040	99.0	1165	Oblate-Oblong	Light green, striped green and dark green	Deep Yellow	890
8	Asahi Miyako	"	2	4,715	90.5	2440	Round	Light green, striped dark green	Red	2920

cont.

Watermelon - continuation

	Seed-Supplier	Number of fruit per plant	Total yield kg/m ²	Per cent class I	Fruit size class I in gram	Shape	Rind	Flesh	Fruit size class I in gram in open*
9 R 2048	OEK	2	5,450	94.5	3000	Round	Light green, striped dark green	Vivid Red	2015
10 R 2050	"	2	4,700	100	2740	Round-oblately	" "	Red	2950
11 R 2281	"	2-4	4,480	100	1650	Round	" "	Yellow	1990
12 Honey Island	SRG	2-6	6,180	97.2	1500	Round	Dark green	Deep yellow	3100
13 Sperlings Sweety	SPER	2	3,675	91.6	2245	Round	" "	Red	1775
14 Yellow Doll	LET	2-4	4,660	100	1695	Round	Light green, striped dark green	Yellow	

Seeded May 10

Seedlings transplanted May 20

Planted June 10

*Observation trial on an island south east in the Oslo Fjord (59° N)

SWEET CORN VARIETY TRIAL 1977

Planted on polyethylene film.
Three replications.

Variety	Seed-Supplier	Plant height in mm	Number of cobs per plant			Cob			
			Days from planting to 50 per cent yield	Class I (>200 g)	Total	Per cent class I	Weight class I in g	Length in mm	Number of seed-rows
1. Aztec	ASM	2090	95	0.79	0.96	81.4	232	191	15
2. Goldcrest	FM	2265	96	0.57	1.43	39.5	204	180	12
3. Canada Cross	LOG	1735	93	0.71	0.77	75.4	234	191	12
4. Defender	"	2450	111	0.48	0.70	68.3	264	194	18
5. Morning Sun	"	1890	95	0.88	1.07	82.3	258	196	12
6. Sundance	"	1865	99	1.11	1.39	80.0	225	177	14
7. Experimental 3244 NK		1590	95	0.78	1.02	77.1	261	190	14
8. Beacon	RB	1750	94	0.98	1.23	79.7	214	191	16
9. Fanfare 81	"	2110	109	0.98	1.17	84.3	261	203	18
10. Pageant	"	2210	112	0.61	0.84	72.4	258	193	16
11. 69 - 1689	"	1970	103	1.00	1.32	75.9	255	201	14
12. 74 - 1702	"	1965	101	1.00	1.28	77.9	244	185	18
13. 75 - 1637	"	-	87	0.78	0.93	83.9	260	194	15
14. Seneca Beauty	ROB	1800	96	0.76	1.02	73.9	232	185	14
15. Golden Bantam	RS	2180	112	0.30	0.48	62.1	226	182	16

cont.

Sweet corn - continuation

	Seed-supplier	Plant height in mm	Number of cobs per plant			Per cent class I	Cob		
			Days from planting to 50 per cent yield	Class I (>200 g)	Total		Weight class I in g	Length in mm	Number of seed-rows
16. Golden Earlypak RS		1965	98	0.49	0.68	72.1	276	212	12
17. Jubilee	"	2360	113	0.69	0.91	75.6	246	196	18
18. Mellogold	"	-	101	0.63	0.97	65.5	230	215	14
19. Earlybelle	S&G	1945	88	1.02	1.13	79.4	246	209	14
20. Gold Cup	"	2495	111	1.17	1.35	86.4	250	188	16
21. Garden Treat	STO	1545	92	0.16	1.14	15.7	200	177	12

Sown in Yiffy-7 in hot green-house May 10.

Planted May 24.

Double rows (800 - 500 - 800)mm.

Between plants 400 mm.

PLOT size 30 plants (=7.8 m²).