

VEGETABLE

Variety Trials

1982

Preliminary Results

BROCCOLI

ONION

CAULIFLOWER

PAPRIKA

PICKLING CUCUMBER

SWEET CORN

MELON

TOMATO

Department of Vegetable Crops

Agricultural University of Norway

P.O. Box 22, N-1432 Ås-NLH, Norway.

January 1983

Mimeograph No. 150

VEGETABLE VARIETY TRIALS

1982

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Department of Vegetable Crops
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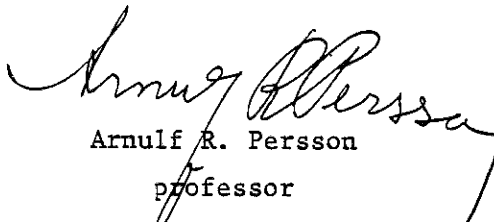
INTRODUCTION

A part of the routine work carried out at the research farm for the Department of Vegetable Crops, Agricultural University of Norway, is the testing of new varieties under Norwegian conditions and the introduction of new kinds of vegetables. This publication deals with the results of variety trials performed in 1982.

We wish to thank the many seed firms who have been generous in supplying us with seed samples for our trials here at Aas. In some cases, the firm named may not be the primary seed producer, but the retail agent.

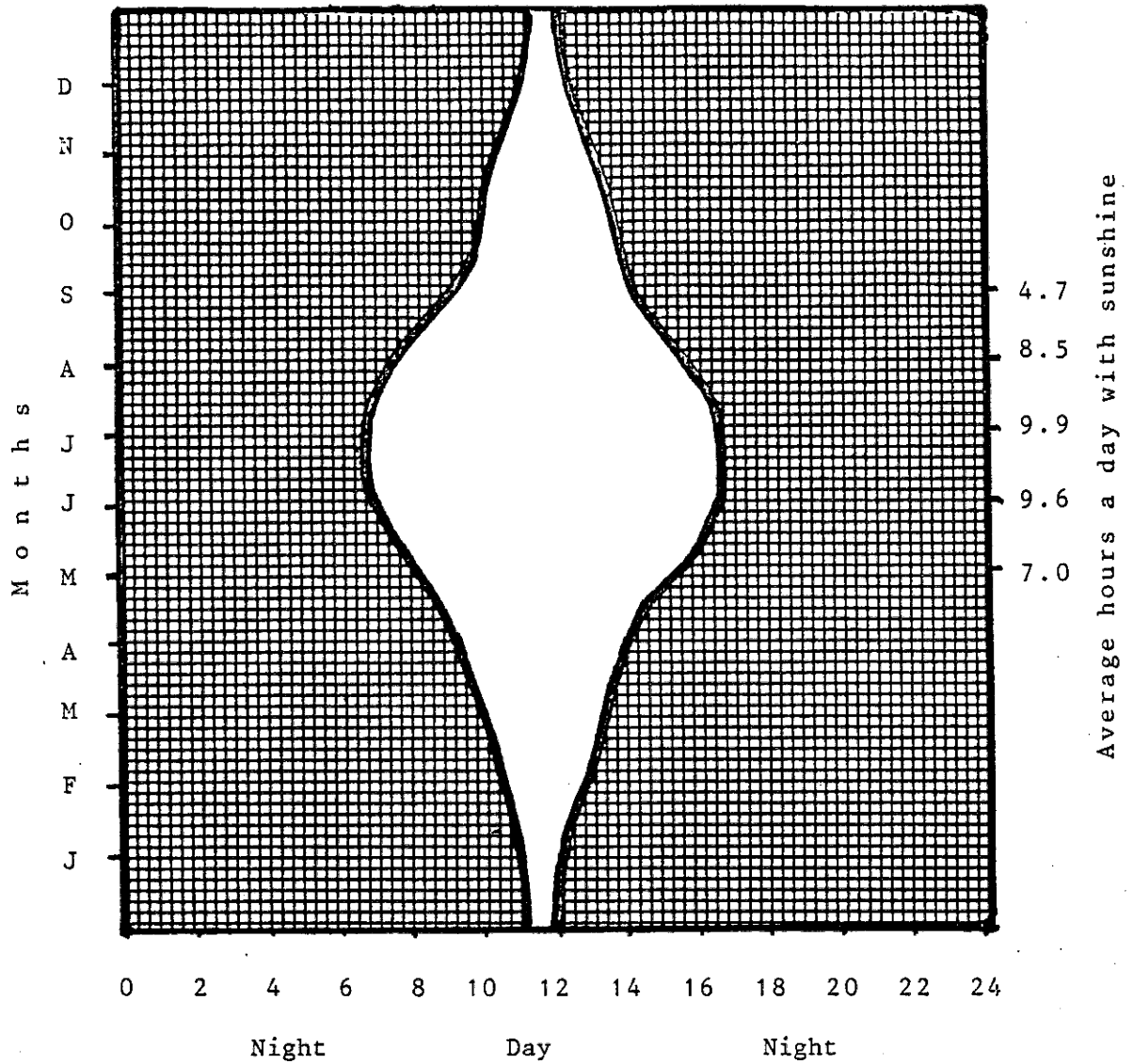
Ås, Norway

January 1983



Arnulf R. Persson
professor

The graph shows the average number of sunshine hours during the year at Ås - 60 °N



WEATHER DATA FOR ÅS FROM MAY-SEPTEMBER 1982

	Month	1982	1981	30 years average (1931-60)
Rainfall (mm)	May	93.6	40.6	49
	June	48.0	102.8	70
	July	49.0	121.2	79
	August	96.1	8.5	96
	September	93.2	69.7	86
Sunshine hours	May	215.8	212.8	240.6
	June	289.2	197.0	340.6
	July	306.4	123.5	269.5
	August	253.5	232.0	258.9
	September	142.3	104.5	155.3
Average temperature °C	May	9.8	11.6	10.2
	June	13.9	12.6	14.4
	July	17.6	15.7	16.8
	August	15.8	14.6	15.6
	September	11.9	12.1	10.9

SEED SUPPLIERS (BROCCOLI, ONION, SWEET CORN, TOMATO, CAULIFLOWER, CUCUMBER, PAPRIKA, MELON)

ARZ A.R. Zwaan & Zoon b.v., Postbox 992, NL-2270 AZ Voorburg, Nederland.
ASG Asgrow International Corp., Subsidiary of the Upjohn Camp., Kalamazoo, Michigan 49001, USA.
ASM Asmer Seeds Ltd., Asmer House, Ash Street, Leichestor, LE 5 ODD, England.
BALL Geo. J. Ball Inc., West Chicago, Illinois 60185, USA.
BEJO Bejo Zaden B.V., P.O. Box 9, NL Ncoordscharwoude, Nederland.
BOE A.A. Boe, Dept. Plant & Soil Sciences, Univ. of Idaho, Moscow, Idaho 83843, USA.
BRU Bruinsma Selecteriebedrijven B.V., P.O. Box 24, Naaldwijk, Nederland.
CS Charles Sharpe & Co. Ltd., Sleaford, Lincs, England.
DES Dessert Seed Co., Inc., P.O. Box 181, El Centro, California 92244, USA.
DP D. van der Ploegs Elite Zaden B.V., Postbus 19, 2990 AA Barendrecht, Nederland.
ENZA De Enkhuizer Zaadhandel B.V., Postbus 7, Enkhuizen, Nederland.
HAR Joseph Harris Co., Inc., Moreton Farm, Rochester, N.Y. 14624, USA.
LA SF Landvik, 4890 Grimstad, Norway.
LC L. Clause, S.A., 91220 Brétigny-sur-Orge, Frankrike.
LD A/S L. Dahnfeldt Havefrø, Postboks 15, DK 5100 Odense, Denmark.
KEY Keystone Seeds Inc., P.O. Box 1438, Hollister, California 95023, USA.
LOG Økern Torgvei 1, Oslo 5, Norway.
NF A/S Norsk Frø, Postboks 27 Korsvoll, Oslo 8, Norway.
NK Northrup King & Co., P.O. Box 959, Minneapolis, Minnesota 55440, USA.
NUN Nunhem's Zaden, P.O. Box 4005, NL 6080 AA Haelen, Nederland.
OE J.E. Ohlsens Enke, Ny Munkegård, DK 2630 Tåstrup, Denmark.
PARK Geo. W. Park Seed Co., Inc., Greenwood, South Carolina 29647, USA.
PS Petoseed Co., Inc., P.O. Box 4206, Saticoy, California 93003, USA.
RB Rogers Brothers Seed Co., P.O. Box 1647, Idaho Falls, Idaho 83401, USA.
RS Royal Sluis, Postbus 22, 1600 AA Enkhuizen, Nederland.
RZ A.R. Zwaan et Zoon B.V. Prinses Mariannelaan 296, P.O. Box 992, 2270 AZ Voorburg, Nederland.
SAK T. Sakata & Co., C.P.O. Box 11, 2 Kiribatake, Kanagawa-Ku, Yokoshama, Japan 220-91.
S&G N.V. Koninlijke Zaadteelt en Zaadhandel, Sluis en Groot, Postbus 13, Enkhuizen, Nederland.
SPER Carl Sperling & Co., Postfach 2640, D-2120 Lüneburg, Vest-Tyskland.
STO Stokes Seeds Ltd., 39 James Str., Box 10 St. Catharines, Ontario L2R 6R6, Canada.
SUH Sveriges Utsädesförening, Hammenhögsavdelningen, S-270 50 Hammenhög, Sverige.
SW Seedway Inc., Hall, New York 14463, USA.
TA Takii & Co., Ltd., Seed Growers, P.O. Box 7, Kyoto Central, 180 Umekoji-Inokuma, Japan.
TERRA Van Waveren Pflanzenzucht, GMBH 3405 Rosdorf N, BRD.
VDB Gebrüder van den Berg, N.V., Postbus 25, NL-2670 AA Naaldwijk, Nederland.
WW W. Weibull AB, Fack, S-261 20 Landskrona 1, Sverige.

BROCCOLI VARIETY TRIAL 1982

Relative yield 100 = 1347 kg/daa

Variety	Seed supplier	First harvest date	Harvest period (days)	Average weight of central head (g) class I	Average weight of side shoots (g)	Relative number of harvested heads	Relative yield	Comments
Apollo	LOG	20/7	53	67.5	16.8	177	132	Loose heads, small side shoots Not very promising. Late.
Futura	"	20/7	53	51.3	47.8	154	117	Compact heads, and plenty of vegetative growth.
Orion	"	23/7	50	59.7	21.4	143	155	Light green heads, hole in the stems.
GZG 1	SPER	20/7	53	64.5	16.7	139	106	The central head had yellow buds, light, loose and small side shoots.
Southern Comet	TA	20/7	53	68.6	19.4	163	139	Light green coloured plants, easily flowers, small side shoots.
Green Comet	"	26/7	47	49.6	20.9	87	82	Good side shoots on the beginning of the season.
Prima No. 70	ASM	23/7	50	64.9	23.5	90	96	Small plants with yellow-green colour. Long stalks.
E 91 B	ENZA	26/7	47	104.7	36.9	55	98	Rich foliage, yellow buds on both the central and side shoots.
Ritados	OE	26/7	47	81.7	22.9	119	125	Uneven plants, short, thick shoots.
Stolto	"	20/7	53	54.7	18.4	144	117	Uneven plants, long side shoots, small heads.
Laser F ₁	RS	26/7	47	59.9	22.8	112	113	Even plants, vigorous side shoots.
Corvet F ₁	"	26/7	47	61.9	22.3	100	100	Short thick central heads, long shoots, yellow buds in side shoots.
Coaster F ₁	"	23/7	50	68.1	19.8	137	121	Good green coloured heads, compact heads, long stalks.
Bravo	STO	20/7	53	62.8	18.2	149	122	Good central heads, violet colour in many small heads.
No. 7631	KEY	26/7	47	69.9	15.6	130	93	Small, few side shoots, small heads.

Sown: 12/5
 Planted out: 11/6
 Plot size: (6 x 1.30 m) = 7.8 m²
 Plant spacing: 40 cm
 30 plants per plot
 2 replications.

CAULIFLOWER VARIETY TRIAL 1982

1. planting

Variety	Seed supplier	Days from planting to 50% yield	Length of yield period in days	Yield		Curd						
				Total kg/daa	Class I kg/daa	Average weight class I in grams	Colour 1-9	Height of curd 1-9	Uniformity 1-9	Compactness 1-9	Riciness 1-9	
Bravo	LOG	74	17	1750	950	55	527	6.1	6.7	6.6	7.3	7.1
King	LD	76	21	1500	1000	66	511	6.3	6.4	6.4	7.1	7.7
Junal	DP	65	21	1700	1250	73	504	6.3	6.3	8.2	7.2	7.5
Snow Crown	TA	70	29	1400	900	66	464	6.7	6.9	8.4	7.1	7.4
Begum	ARZ	74	24	1650	1000	61	502	6.1	6.0	6.7	6.9	8.0
Merita	RS	73	28	1700	1100	63	484	6.3	6.4	6.6	7.4	7.3
Alpha Balanza	ARZ	75	19	2000	1300	66	513	6.0	6.5	7.0	7.0	8.8
Alpha Prekasa	"	73	29	2150	1550	71	595	5.8	6.0	6.8	6.8	7.8
Kassa	VDB	76	25	1900	900	47	487	6.6	5.4	6.8	7.0	6.6
Svale	SUS	75	14	2200	500	23	487	6.0	5.3	6.0	6.5	4.3
A. Fortados	RS	68	32	1800	1500	84	527	5.4	5.4	6.6	6.4	8.4
Mechelse	ENZA	74	23	1950	950	50	537	5.2	5.6	6.6	6.4	6.4
Andes	RZ	88	19	1850	1400	75	542	8.3	7.0	7.4	7.3	6.3
Snow Queen	SAK	Varieties did not produce heads.										
Snow King	"	Varieties did not produce heads.										
Ballade	ARZ	90	17	2150	2050	95	674	8.4	7.7	8.4	8.4	8.7
Snow White	PS	75	19	1600	400	24	427	4.0	5.2	5.2	5.6	6.8

Sown: 24/3

Planted: 26/4

Plot size: (6 x 1.30)m = 7.8 m²

No. of plants per plot: 30

Between plants: 40 cm

Between rows: 65 cm

CAULIFLOWER VARIETY TRIAL 1982

2. planting

Variety	Seed supplier	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	Riceyness 1-9	
													Class I kg/daa
White Top	LOG	67	46	2650	2400	91	734	7.4	7.5	7.4	7.6	7.6	7.6
White Summer	S&G	64	20	2300	2200	97	649	7.5	7.6	8.2	7.7	7.7	9.0
White Fox	"	63	47	2700	2550	94	778	7.8	8.6	8.0	7.9	7.9	8.8
White Rock	"	73	32	3200	3000	95	862	6.9	7.2	7.3	8.4	7.8	7.8
Star Light	RZ	74	49	3300	3150	96	878	8.2	8.4	7.7	7.4	7.4	8.6
Fortuna	"	62	32	2450	2200	92	644	8.0	8.0	7.7	6.3	8.2	8.2
5492 K	SUH	64	40	2750	2550	93	754	7.5	7.3	7.4	7.9	8.4	8.4
King	LD	53	17	2150	650	31	498	3.0	5.7	4.4	4.4	9.0	9.0
Celesta	RZ	54	15	2100	1850	89	582	8.8	8.4	8.4	7.8	8.9	8.9
Erfu	LD	55	15	1850	1300	71	478	6.9	6.4	7.0	6.7	6.8	6.8
Solocrop	ARZ	64	42	2700	1650	60	776	6.2	7.8	6.2	6.8	5.8	5.8
Cervina	RS	63	46	2750	2600	96	768	7.2	8.0	7.7	7.3	8.6	8.6
RS 1831	RS	66	36	3000	2650	88	865	6.7	7.5	7.1	6.4	6.7	6.7
Hormade	ARZ	64	39	3250	3000	93	899	7.2	7.0	6.8	6.7	7.8	7.8
C-022	LOG	72	42	3400	3300	97	892	8.0	7.5	7.8	7.9	7.8	7.8
C-023	"	58	14	2200	1100	85	611	7.2	6.6	7.4	8.8	6.8	6.8
Delta	VDB	52	17	2000	1450	73	524	5.0	7.5	5.9	7.6	6.6	6.6
Snowflower	ASG	64	39	2050	1250	61	506	6.8	5.4	6.8	9.0	7.4	7.4
All White	RZ	63	41	2450	1950	80	681	6.6	7.6	6.8	7.6	8.6	8.6
Brigo	SUH	57	20	2300	1900	82	579	8.5	7.0	7.5	7.9	7.2	7.2
Sedom	"	59	21	2550	2150	83	645	6.8	7.5	7.0	7.8	7.5	7.5
Vito	"	65	46	3550	3450	97	999	7.8	7.6	6.8	6.9	8.6	8.6

Sown: 11.5

Planted: 10.6

Plot size: (6 x 1.30)m = 7.8 m²

No. of plants per plot: 30

Between plants: 40 cm

Spacing between rows: 65 cm

PICKLING CUCUMBERS. PARthenocarpic VARIETIES.

Variety	Seed supplier	Days from sowing to 50% yield	Yield St. I in kg/daa	Total yield in kg/daa	Average weight per fruit in grams	% Class I	Percentage distribution by weight in Class I		
							6-9 cm	9-11 cm	11-13 cm >13 cm
Andrea	NUN	75	2250	3000	39	74	46	39	15
301-80	"	74	2400	2950	46.5	82	33	33	34
317-80	"	74	2250	2800	54	82	42	44	14
SG 834	S+G	76	2750	3300	50	84	45	45	10
Paragon	"	75	2650	3100	44.5	85	32	55	13
SG 841	"	75	1800	2100	32	84	69	31	-
Marbel	RS	75	1700	2200	37	76	80	20	-
Nanet	"	74	1350	1850	44	71	26	65	9
Colet	"	75	2000	2650	40	77	64	31	5
RS 79068	"	77	1550	2050	46	75	37	59	4

Replications: 2

Sown: 25. May

Plot size: $(6 \times 1.3) \text{m}^2 = 7.8 \text{m}^2$

Between plants: 20 cm

PICKLING CUCUMBER OBSERVATION TRIAL 1982

Variety	Seed supplier	Days from sowing to 50% yield	Yield St.I in kg/daa	Total yield kg/daa	Average weight per fruit in grams	% Class I	Percentage distribution by weight in Class I		
							6-9 cm	9-11 cm	11-13 cm >13 cm
AVX 2605	KEY	76	2150	3100	34	69	62	38	-
AVX 2539	"	76	1950	2800	30	69	82	18	-
Arabel	DP	72	2450	3250	73	76	14	32	40
Donor	LC	76	1800	2800	45	64	37	55	8
Ginor	"	75	2400	3350	39	72	29	54	17
Levo (male-stokksort)	LOG	76	1850	3100	42	59	41	35	24
Nunheims 70-81	NUN	75	2200	3150	44	70	56	35	9
Nunheims 94-80	"	76	1850	2500	26	74	84	16	-
OE 2448	OE	75	1500	1850	39	81	33	22	27
Sanabel	DP	76	1350	2100	72	65	16	43	12
Spartan Magic	ASG	76	1700	2500	35	67	66	34	-
Tamor	"	76	1250	1550	-	79	-	-	-
Tamu Chemset	PS	78	950	1400	27	67	49	51	-
XPH 1338	ASG	77	1150	1650	46	68	48	20	32

Replications: 2 Plot size: $(6 \times 1.3)m^2 = 7.8 m^2$

Sown: 25. May Between plants: 20 cm

MELON VARIETY TRIAL 1982

Variety	Seed supplier	Yield		Fruit					Flesh colour
		Total yield kg/m ²	Average per cent class I	Fruit size class I in g	Fruit shape	Rib	Net	Rind colour	
OE 2419	OE	2.600	100	1233	Oval	Slight	Medium	Yellow bright	Light yellow
OE 2915	OE	5.400	40.4	239	Oval	Slight	Slight	Yellow	Yellowish white
<u>AROMA</u>	LOG	7.350	98.9	1298	Round	Slight	Medium	Yellowish orange	Orange
Jivaro	LC	3.800	100	599	Oblate	Medium	Slight	Yellowish green	Orange
Early Dawn	HAR	5.800	94.4	825	Oval/round	Medium	Medium	Yellowish green	Orange
Honey Dew	AB(LOG)	8.200	100	1665	Round	Slight	Heavy	Yellowish orange	Yellowish white
Don Juan	ASG	5.100	100	907	Oval	Heavy	Heavy	Yellow	Orange
Harmony	"	4.150	95.5	873	Oval	Medium	Medium	Yellow	Orange
Paris	LD	5.150	100	639	Round	Slight	Heavy	Yellow	Light green
Super Sprint	PS	4.600	100	570	Round	Slight	Heavy	Yellowish green	Light orange
Bonus	TA	5.100	100	728	Round	Medium	Medium	Yellowish Green	Orange
Green Pearl	"	3.100	100	682	Round	Slight	Heavy	Green	Green
Andes	SAK	5.350	91.8	607	Round	Slight	Medium	Green	Green
Ogen	RS	5.150	100	584	Round	Medium	Slight	Yellowish green	Green
Minnesota Midget	TM	4.050	98.4	292	Round/oblate	Medium	Medium	Yellowish green	Light orange

Replications: 3 Plot size: 0.95m²
 Pre - Germinated: May 3 Topped: June 2
 Seedlings Transplanted: May 6 Fertilizer: Superba + Viking ship Ca(NO₃)₂
 Planted in floralux peat bags: June 4 Irrigation: Eventrickle

3 plants in each bag = A plot

Electrical heating cables on the ground close to the peat bags (17 watt per plant).
 The soil was covered with polyethylene film.

ONION VARIETY TRIALS 1982
YIELD AND QUALITY

Variety	Seed supplier	Total yield in kg/m ²	Average weight per onion (g)	Total number of onions per sq.m ²	% bulbs >40 mm	% loss in weight after storage	% rotting	Skin colour 1-9*	Skin quality 1-9*	Rotting	Main colour 1-9*	Other colour	Form	Bottle necks
Tarzan	BEJO	3.6	72.2	50.4	61.4	16.1	12.6	5	8	9	7	-	Flat-round	-
Copra F	BEJO	3.1	62.4	49.5	55.4	19.8	95.1	7	7	9	5	Green tops	High-round	-
Balstora	BEJO	3.4	77.3	44.2	65.0	15.1	17.0	6	6	9	5	Green tops	Round	-
Hygro	BEJO	3.3	85.5	38.6	78.8	7.9	17.3	7	5	9	3	Green tops	Flat-round	-
Robusta	BEJO	3.5	74.7	47.0	61.8	11.9	16.4	5	8	9	7	-	Round	-
Hyper F	BEJO	3.5	86.6	40.8	73.0	14.8	42.5	5	6	9	7	-	Round	-
Hyton	BEJO	3.5	85.9	40.2	76.0	11.1	29.9	5	6	7	5	-	Round	-
Hyduro F	BEJO	3.1	61.5	50.7	56.5	14.7	16.3	4	7	9	5	-	Flat-round	-
Augusta	BEJO	3.2	81.3	39.0	71.2	12.5	88.3	3	5	9	5	Green tops	Round	-
Oporto	RS	3.1	71.0	43.1	66.2	14.2	57.5	4	3	7	4	-	Round	-

ONION OBSERVATION TRIAL

Variety	Seed supplier	Total yield in kg/m ²	Average weight per onion (g)	Total number of onions per sq.m ²	% bulbs >40 mm	% loss in weight after storage	% lodging	Skin colour 1-9*	Skin quality 1-9*	Rotting	Internal colour		Form	Bottle necks
											Main colour 1-9*	Other colour		
Buffalo	LA	1.6	66.7	23.7	51.2	40.2	100	3	3	3	6	6	Round	-
Hyper F	BEJO	3.4	93.6	36.2	78.2	10.8	91	5	7	9	6	6	Round	-
Adina	LA	2.8	80.9	34.2	62.9	22.9	86.5	4	7	9	5	5	Round	-
Pop 3	LA	1.0	94.6	10.8	83.9	5.7	16.1	4	7	7	7	7	High-round	**
Mabol	LA	3.3	75.8	44.0	77.3	19.6	79.9							
Lucrato	LA	1.5	89.8	16.9	76.1	11.4	73.9	4	5	7	4	4	Round	-
Hygro	BEJO	2.5	76.3	32.5	72.2	14.0	26.6	5	7	9	7	7	Flat-round	-
Jumbo	NF	2.4	75.9	31.9	75.9	4.8	44.4	5	3	9	6	6	Oval	-
Gustada	LA	1.8	62.8	27.9	64.1	19.8	89.7	4	3	9	5	5	High-round	-
Solo	LA	2.9	83.2	34.2	71.9	20.3	74.2	5	6	9	4	4	Round	-

Replications: 4
 Sown: 6.5
 Between rows: 80-35-35-80
 L.S.D 5% total weight = 0.573 kg/m²

Plot size: (1.30 x 5)m = 6.5 m²
 * Scale 1-9, where 9 is for the best character

ONION SETS.

Variety	Seed supplier	Total yield in kg/daa	Average wt. per onion	% >40 mm	Form
Shitgarter Riesen	LOG	4205	164	89	
EXCELLENT		4712	214	91	
Jumbo	LOG	4302	228	80	
Wabasta	LOG	5330	185	91	
Hygro	LOG	5127	203	94	

SWEET CORN VARIETY TRIAL 1982

Deep furrow covered with polyethylene film.

Variety	Seed supplier	Plant height in cm	% yield up to sept. 23.	Yield		Cob			Seed colour
				% Class I	Class I kg/daa	Average weight in grams (g)	Number of cobs per plant total	Number of seed rows	
Early Sunray	SW	215	100	75	400	-	0.6	15	Yellow
Aztec	ASG	205	94	83	1350	298	1.8	15	Light yellow
Sundance	HAR	190	93	61	1050	270	1.7	16	Yellow
Harmony	"	180	92	69	1500	310	1.9	15	Light yellow
Buttervee	STO	140	99	78	1450	-	1.7	14	Light yellow
Northlite	"	170	100	82	1300	222	1.6	13	Light yellow
Mellogold	RS	200	63	89	1400	302	1.2	14	Yellow
Beacon	RB	175	89	77	1400	220	1.7	15	Light yellow
Reward	"	220	100	80	1250	280	1.3	18	Yellow
Debut	"	210	100	83	1650	264	1.9	15	Yellow

Replications: 3 Plot size: (4 x 1.30)m = 5.20 m²

Sown: May 18.

1. harvest: Sept. 1.

No. of plants/plot: 20

Between plants: 40 cm

Between rows: 40 cm

Sweet Corn observation Trial 1982

Variety	Seed supplier	Plant height in cm.	% Yield up to 23.Sept.	Yield		Cob			Seed colour
				% Class I	Class I kg/daa	Average weight in grams	No. of cobs per plant	No. of seed rows	
Bell ringer	HAR	220	0	51	500	254	0.7	16	light yellow
Blitz	"	150	98	82	1250	324	1.4	12.5	Yellow
Bellegold	"	220	100	24	200	262	0.5	16	Yellow
Sweet temptation	DES	175	48	58	600	-	0.7	-	-
Carmelet	SW	200	98	86	1350	296	1.5	13.5	Light yellow
Burgundy Delight	"	235	100	94	1150	206	1.4	13.5	Light yellow
Mevak	ASG	215	99	98	1100	314	1.0	17.5	Yellow
Honeycomb	KEY	220	0	85	1450	284	1.6	14.0	Yellow
AVX 1800	"	185	100	67	950	-	1.5	14.5	Dark yellow
Reliance	"	205	0	78	600	286	0.7	18	Light yellow
Morning Sun	"	195	50	89	1000	290	1.0	12.5	Light yellow
Honey Bar	TA	225	0	76	800	264	1.3	14.0	Light yellow

Plot size: (4 x 1.30)m² = 5.2 m²

No. of plants per plot = 20

Spacing between plants: 40 cm

Between rows: 40 cm

Replications: 2

Sown: 19 May

First harvest: 1 Sept.

TOMATO VARIETY TRIAL 1982
IN THE OPEN

Variety	Seed-supplier	Yield			Fruit	
		Up to Aug. 25 kg/daa	Total kg/daa	% Class I	% Class II	Average weight in grams Class I
1404/79 TmC ₅ F ₂	BRU	1550	7250	24.5	13.8	78
	B	1750	8700	20.2	17.9	78
Alfresco	CS	550	10150	36.6	12.9	63
	B	1000	6050	59.3	13.2	65
City Best VF F ₁	PARK	1350	6450	21.6	24.8	63
	B	1200	5450	32.0	14.9	79
Early Girl	BALL	850	7950	30.0	23.7	95
	B	1000	10650	28.4	34.8	99
Sub Artic Maxi	STO	1350	5400	27.9	22.3	71
	B	1750	4050	26.0	10.7	67
Piranto	VDB	600	5400	25.6	20.4	66
	B	300	7150	44.5	22.6	75
Virosa	ENZA	1150	8400	38.4	19.2	75
	B	850	7400	37.7	12.6	74
239 WW	WW	150	8700	24.8	15.5	70
	B	100	6600	19.6	19.4	81
730-78	WW	3500	5650	9.7	21.0	101
	B	3650	4800	5.7	9.0	58
Bonset	RS	800	9550	40.2	18.0	88
	B	500	8200	31.0	14.7	81

A - Agro drip irrigation system First harvest: July 28
 B - Control Plot size: 1.2 x 1.32 = 1.58 m²
 Replications: 2 Plant number: 8
 Sown: April 19 Between plants: 33 cm
 Planted: June 3 Between rows: 40-80-40 cm

TOMATO OBSERVATION TRIAL 1982

In the open

Variety	Seed supplier	Yield			Fruit	
		Up to Aug. 25 kg/daa	Total kg/daa	% Class I	% Class II	Average fruit weight in grams
Chandelier F ₁	TA	-	5850	35.8	22.5	115
Hope no. 1	"	-	8650	38.4	-	154
L 11	TERRA	1550	3100	-	21.6	-
BT 80136	ASM	2350	6000	11.6	32.5	41
NFV 22	HAR	800	8150	25.8	16.1	145
Fusor VFF ₁	LC	750	10300	59.6	17.1	94
Quantuor VF ₁	"	200	9850	46.7	25.4	100
Tosca (E 6245)	ENZA	800	7950	30.5	17.3	85
Hydra (E 6243)	"	-	6950	58.9	15.6	99
Ida Gold	BOE	1700	2600	19.2	27.3	52
Sunny	ASG	400	7050	29.9	35.2	175
Vista	"	-	6150	33.4	11.5	163
Pacesetter 502	"	-	5450	42.3	24.1	66
867-NFV22 F ₁	HAR	-	3300	28.1	31.9	134
Willamette Cherry	DES	1950	4000	-	5.9	-

TOMATO OBSERVATION CONT.

Variety	Seed supplier	Yield				Fruit	
		Up to Aug. 25 kg/daa	Total kg/daa	% Class I	% Class II	Average fruit weight in grams	
Marmande-Type	IDKU-	-	7450	-	24.1	-	-
	KASSEM						
Pink no. 42	SAK	-	6300	25.2	25.5	120	
Lucy	S&G	50	10150	20.9	20.6	91	
Luca	"	50	8100	14.9	12.1	79	
Balca	"	50	7900	39.0	20.2	110	
Melody F, VFTmV	TEZ	-	11650	51.1	22.3	102	
Fusca	VIL	-	10050	43.6	11.2	96	
Fusaria	"	-	5200	18.8	-	86	
Presideril	PS	-	4500	59.4	-	168	

Replications: No

Sown: April 19

Planted: June 4

First harvest: July 7

Plot size: 1.2 x 1.3 = 1.6 m²

Plant number: 8

Between plants: 33 cm

Between rows: 80 - 40 - 80 cm

EGNO-NORWAY OBSERVATION TRIAL
IN THE OPEN

Variety	Seed-supplier	Yield			Fruit	
		Up to Aug 25 kg/daa	Total kg/daa	% Class I	% Class II	Average weight in gram Class I
Noria Tm VF ₂ N	S&G	50	5200	53.5	12.8	77
Cabri Tm VF	"	-	5900	39.3	30.9	146
Pearson ET	"	-	3250	17.4	32.6	111
Tm VF ₂ NC F120	"	-	7900	50.1	24.4	95
E 401 TMV FN F ₁	"	-	6050	45.1	25.3	226
Pritchard	"	-	3800	24.3	21.2	133
Vemone Tm	"	-	4650	46.4	9.0	77
Delisa	ENZA	400	5100	33.4	11.1	87
Diego	S&G	-	6750	39.0	18.2	77
Carmelo Tm VFN	"	150	4600	38.1	27.9	146

Replication	- None	Plant number	- 8
Sown	- April 27	Between plants	- 0.33 m
Planted	- June 4	Between rows	- 80-40-80 cm
First harvest	- August 16		
Plot size	- 1.2 x 1.32 = 1.58 m ²		

EGNO - NORWAY CONT.

In the open

Variety	Seed supplier	Yield				Fruit	
		Up to Aug. 25 kg/daa	Total kg/daa	% Class I	% Class II	Average weight in grams Class I	
Egno A							
Duke	PS	250	4950	26.2	21.7	117	
Peto 86	"	50	5500	42.6	27.4	66	
Alfresco	CS	1050	7450	59.4	19.0	64	
Delisa	ENZA	850	7300	18.5	24.7	74	
Egno B							
Duke		100	4900	18.4	28.8	124	
Peto 86		-	3600	40.0	21.8	57	
Alfresco		750	6300	55.7	14.6	62	
Delisa		550	7450	25.7	19.7	99	

Replications - In the houses - 4, in the open - 2

Sown - April 19

Planted - June 1 in the houses, June 4 in the open

First harvest - August 4

Plot size - (1.2 x 1.32 m) = 1.58 m²

Plant number - 8

Between plants - 33 cm

Between rows - 40-80-40 cm

Irrigation

A - Agro drip system

B - Control

EGNO - NORWAY 1982.

Variety	Seed-supplier	Yield			Fruit	
		Up to Aug. 25 kg/daa	Total kg/daa	% Class I	% Class II	Average weight in grams Class I
Egno - plastic house						
Duke	PS	950	5350	36.5	16.6	118
Peto 86	"	150	5500	58.3	13.0	68
Alfresco	CS	1650	7600	57.7	15.6	57
Delisa	ENZA	1250	7750	46.5	18.2	78
Egno - net house						
Duke		-	2200	22.5	17.7	106
Peto 86		-	1100	36.8	31.1	50
Alfresco		900	3950	47.6	15.5	56
Delisa		400	4500	27.7	20.9	65

First harvest: Aug. 4 in the plastic house
 Aug. 9 in the net house

PAPRIKA VARIETY TRIAL 1982.
UNHEATED POLYETHYLENE HOUSE.

Variety	Seed supplier	% Class I	Average weight of class I fruits (g)	Yield of class I pr. m ²	Total yield ₂ pr. m ² kg	Fruit qualities				Colour
						*Top diam. (cm)	*Bottom diam. (cm)	Thickness of walls (cm)	No. of locules	
Cadice	LOG	36	131	1.10	2.98	7.27	5.78	3.63	3	Green
Lady Bell	HAR	31	133	0.80	2.50	6.49	5.67	3.63	3	Green
California Wonder	SPER	42	124	1.0	2.40	7.46	6.02	4.07	3-4	Dark Green
RS 929	RS	34	132	0.80	2.40	6.38	3.96	3.63	3	Dark Green
E 6154	ENZA	49	149	1.40	2.87	7.83	5.80	3.93	3-4	Green
Dalbon	PS	42	157	0.80	1.85	7.56	4.78	3.80	3	Green
No. 50	DP	46	153	1.40	3.0	7.29	5.26	5.50	4	Green
						- Good quality, thick walls.				
New Ace	TA	25	117	0.96	3.90	7.01	5.10	3.70	3	Green
Video	LC	15	157	0.30	1.90	6.47	5.83	3.33	4	Green
Super Set	SAK	45	143	0.80	3.60	6.65	4.90	3.33	3	Green

Replications: 3

Plot size: 3.9 m²

*Top + bottom diameters measured 1 cm from the top + bottom of the fruit respectively.

PAPRIKA OBSERVATION VARIETIES.
UNHEATED POLYETHYLENE HOUSE.

Variety	Seed supplier	% Class I	Average weight of class I fruits (g)	Yield of class I pr. m ²	Total yield ² pr. m ² kg	Fruit qualities				
						Top diam. (cm)	Bottom diam. (cm)	Thickness of walls (cm)	No. of locules	Colour
Early Bountiful	SAK	19	114	0.50	2.50	6.95	4.95	4.7	3	Dark green
Bell Boy	PS	46	147.5	0.90	1.90	-	-	-	-	-
Barbarossa	"	33	132	0.90	2.64	6.68	4.51	3.90	3	Green
Argo	"	26	145	0.60	2.30	6.66	4.32	3.90	3-4	Green
VDB 80.1956	VDB	55	122	1.70	3.10	7.91	6.19	4.67	3-4	Green
Fray	HAR	8	87	0.08	0.90	-	-	-	-	-
Canape	"	26	117	0.80	3.20	6.22	3.72	3.73	3-4	Dark Green
No. 6700	KEY	31	146	0.90	2.90	7.54	6.39	4.30	3-4	Dark Green
Alamo	LC	54	157	1.20	2.20	7.16	6.0	4.13	4	Green
E 157	ENZA	61	156	1.40	2.30	7.21	5.76	4.10	3	Green
Trophy	"	43	139	1.40	3.30	7.52	5.36	4.27	3	Green

Replications: 2 Plot size: 3.9 m²

Top + bottom diameters measured 1 cm from the top + bottom of the fruit respectively.