Project title: Field Vegetables: An evaluation of

> autumn/winter cauliflower, spring cabbage cultivars and other winter Brassica crops.

FV 202d Project number:

Project leader: **Duchy College** Bill Herring,

Report: Final report May 2010

Previous report: Annual report March 2009

Key staff: Bill Herring

> Malcolm Millar Ellis Luckhurst

Trevarnon Farm, Gwithian, Cornwall. Location of project:

Industry representative: Ellis Luckhurst

1st April 2009 Date project commenced:

Date project completed

30th May 2010 (or expected completion date):

Whilst reports issued under the auspices of the HDC are prepared to the best available information, neither the authors nor the HDC can accept any responsibility for inaccuracy or liability for loss, damage or injury from application of any of the concepts or procedures discussed.

The results and conclusions in this report are based on an investigation conducted over a one-year period. The conditions under which the experiments were carried out and the results have been reported in detail and with accuracy. However, because of the biological nature of the work it must be borne in mind that different circumstances and conditions could produce different results. Therefore, care must be taken with interpretation of the results, especially if they are used as the basis for commercial product recommendations.

AUTHENTICATION

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

[Name] [Position] [Organisation]	
Signature	Date
[Name] [Position] [Organisation]	
Signature	Date
Report authorised by:	
[Name] [Position] [Organisation]	
Signature	Date
[Name] [Position] [Organisation]	
Signature	Date

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Grower summary

Headline

Some of the new Autumn and Winter cauliflower cultivars could increase income by £592/Ha where Grade 1 product is 10% above standard cultivars based on 19760 plants/Hectare (8000/Acre).

Background

Duchy College working in partnership with six National seed houses and local growers have carried out the evaluation of commercially available Autumn, Winter Cauliflower and Spring greens cultivars over the past 13 years. Initially introduced into the confidential/screening trials and then within the commercially available trials, each cultivar has been recorded and evaluated year on year. With advances in plant breeding, new cultivars being introduced and these need to be evaluated alongside current and established varieties in order to improve yields and quality of produce.

Results

The following cultivars are of most interest to the industry. These have performed well during 2009 – 10, however results over several seasons will need to be considered when selecting cultivars for production. Full information on all the varieties can be found in the 'Full Trial Report'.

Comments on curd protection, disease, uniformity, suitability for various markets, defects and ease of harvesting are found in the Full Trial Report in the Appendices.

Autumn Cauliflower Top performing cultivars

Seed House	Cultivar	% Class 1	Trays/Hectare (Acre)	Heading period
Clause	Naruto	88	2823 (1143)	26.10.09 – 05.11.09
Elsoms	Sante Fe	70	2265 (917)	26.10.09 – 05.11.09
Elsoms	Salou	71	2280 (923)	28.10.09 - 07.11.09
Syngenta	Cartier	79	2531 (1025)	29.10.09 – 15.11.09
Clause	Optimist	81	2692 (1090)	30.10.09 - 09.11.09

Winter Cauliflower Top performing cultivars.

Yields will vary as there were two transplanting dates and three different spacings for each cultivar within the Trials. Please refer to the Full Trial Report for more details.

Seed House	Cultivar	% Class 1	Trays/Hectare (Acre)	Heading period
Clause	Navalo	94	2482 (1005)	26.10.09 – 18.11.09
Seminis	RX 5965	100	2428 (983)	30.10.09 - 05.11.09
Seminis	Appia	88	2336 (946)	02.11.09 - 09.11.09
Clause	Diwan	93	2129 (862)	09.11.09 – 18.11.09
Seminis	RX 5982	81	2424 (983)	11.11.09 – 19.11.09
Seminis	RX 5981	86	2269 (919)	12.11.09 – 19.11.09
Elsoms	Belot	80	2119 (858)	12.11.09 – 23.11.09
Elsoms	Maginot	83	1689 (684)	18.11.09 – 26.11.09
Syngenta	Lorien	86	2269 (919)	18.11.09 – 30.11.09
Clause	CHF 08-29	80	2119 (858)	23.11.09 – 10.12.09
Clause	Galiote	87	2353 (953)	23.11.09 – 17.12.09
Seminis	RX 5978	93	2460 (996)	30.11.09 – 03.12.09
Clause	Triomphant	75	1985 (804)	30.11.09 – 17.12.09
Clause	Hermine	79	1721 (697)	07.12.09 – 29.12.09
Clause	CLX 33821	57	1515 (613)	04.01.10 – 28.01.10
Syngenta	Alpen	64	1701 (689)	25.01.10 – 11.02.10
Clause	Brick	81	2151 (871)	01.02.10 - 01.03.10
Tozer	1008	75	1985 (804)	15.02.10 – 03.03.10
Syngenta	Arkwright	83	1583 (641)	18.02.10 – 04.03.10
Syngenta	Canten	87	2353 (953)	18.02.10 – 08.03.10
Seminis	Tintagel	75	1985 (804)	01.03.10 – 15.03.10
Semins	RX 5697	81	2151 (871)	03.03.10 – 15.03.10
Clause	Redoutable	81	2151 (871)	03.03.10 – 15.03.10
Elsoms	Medaillon	75	2040 (836)	04.03.10 – 29.03.10
Tozer	2038	86	2457 (995)	04.03.10 – 25.03.10
Nickerson	Dionis	93	2482 (1005)	08.03.10 – 18.03.10
Nickerson	AB 1036	88	2428 (983)	15.03.10 – 22.03.10
Seminis	Trewint	88	2316 (938)	15.03.10 – 22.03.10
Syngenta	Clemen	93	2482 (1005)	15.03.10 – 22.03.10
Clause	Fleet	100	2242 (908)	18.03.10 – 29.03.10
Clause	Matelot	100	2860 (1158)	22.03.10 – 29.03.10
Elsoms	Capulet	87	2297 (930)	22.03.10 – 08.04.10
Clause	Mascaret	87	2316 (938)	25.03.10 – 05.04.10
Clause	Marsouin	93	2536 (1027)	25.03.10 – 08.04.10
Elsoms	Madiot	94	2482 (1005)	25.03.10 – 08.04.10
Syngenta	Broden	80	2119 (858)	29.03.10 – 08.04.10
Seminis	Cadal	75	1985 (804)	29.03.10 – 08.04.10
Elsoms	Isadora	93	2472 (1001)	29.03.10 – 05.04.10
Syngenta	Ciren	100	2647 (1072)	01.04.10 – 08.04.10
Syngenta	Charif	86	2525 (1022)	05.04.10 – 19.04.10
Syngenta	Danden	88	2316 (938)	08.04.10 – 15.04.10
Elsoms	Invicta	100	2329 (943)	12.04.10 – 15.04.10
Tozer	2063	81	2151 (871)	15.04.10 – 22.04.10
Nickerson	Vedis	88	2336 (946)	15.04.10 – 22.04.10
Elsoms	Tempest	92	2032 (823)	15.04.10 – 22.04.10
Syngenta	CFL 4717	81	2151 (871)	19.04.10 – 19.04.10
Seminis	RX 5370	87	2297 (930)	19.04.10 – 26.04.10
Elsoms	Vogue	87	2297 (930)	22.04.10 – 26.04.10
Seminis	Trenale	80	2473 (858)	19.04.10 – 26.04.10
			\ /	
Syngenta	Darwin	94	2509 (1016)	29.04.10 – 03.05.10

Spring Green cultivars

Seed House Cultivar	Comments	Transplanting Date	Harvest dates	Pack out yield Trays/Acre (10 bags x 550grams)
Sakata Kempsy	Uniform. Small frame. Good greens.	15.09.09	14.03.10 16.04.10	748 895
Tozer Wintergreen	Crinkled leaf type. Variable size greens. Dark green leaf.	15.09.09	14.03.10 16.04.10	750 860
Seminis Winter Special	Uniform. Will heart up High yield. Good greens. Few defects.	15.09.09	14.03.10 16.04.10	910 1052
Duchy	Compact. Uniform. Smooth leaf. Good greens. Will heart up.	15.09. 09	14.03.10 16.04.10	865 923

The trials were undertaken at Trevarnon Farm, Gwithian, Cornwall. The soil type on the farm was a sandy clay loam. The site is south facing and is part of a farm rotation based around Brassicas, cereals and grass break crops. The farm has traditionally grown Brassica crops supplying both the multiple and local markets. The trial itself is treated as a commercial crop undergoing similar field operations as the commercially grown crops.

Main conclusions

All of the cultivars that have performed well during 2009 – 10 are commercially available to growers, each with their own characteristics, traits and qualities. The large number of cultivars available enables growers to select suitable cultivars for their own production systems, which vary from farm to farm and area to area. The cultivars available ensure continuous supply complimenting each other throughout the production period. However there is a continuous need to improve output and quality especially in the production period between late December and early February where yields can be lower.

Trials have also been undertaken where a number of confidential cultivars from a range of seed companies have been assessed with some new named cultivars being introduced into the commercially available cultivar trials for 2010-11 and a number to follow in subsequent years.

Full Trial Report

Introduction

Working in partnership with a number of National seed-houses the Trials have enabled the evaluation of commercially available Autumn, Winter Cauliflower and Spring Green cultivars, in order that improved cultivars can be assessed alongside current and established cultivars in order to improve yields, quality of produce and continuity of supply.

The Autumn Cauliflower Trial compared established cultivars alongside new introductions for the heading period of early October to late November.

The main Winter Cauliflower Trial compares cultivars transplanted at three different spacing's in early and late July and provides detailed information on the advantages/disadvantages of staggered transplanting dates which is commercially practiced in order to maximize the potential of some cultivars. This Trial covers cultivars heading from late November through to May.

The Spring Greens Trial compares commercially grown hybrid cultivars transplanted alongside the traditional Wintergreen cultivar. These are then assessed for suitability as greens being harvested from late January to March depending on the cultivar and season. All cultivars transplanted as modules in early September 2009.

The Cauliflower Trials provide detailed information on each cultivar including:-

- Harvesting period. 10% 50% and 90% harvest dates.
- %Grade 1, Grade 2 and unmarketable produce.
- Marketable yields.
- Comments on any defects, including disease tolerance especially for Xanthomonas and mildew, pest presence, and the suitability for the various market outlets.
- Evaluation on the ease of harvesting, packing, uniformity, depth and quality of curds.
- Comments on curd protection, leaf quality and crop growth.

Varieties and numbered selections included

The Autumn Cauliflower Trial consisted of 13 cultivars replicated twice, transplanted at 25315 plants/Ha (10249/acre). Transplanted on the 10th and 21st July 2009.

The Winter Cauliflower Trial consisted of 69 cultivars transplanted at 21192/Ha (8580/acre),17527/Ha (7096/acre) and 15190/Ha (6150/acre). Transplanted on the 10 and 21rd July 2009.

The Spring Greens Trial compared 3 hybrid cultivars with the traditional Wintergreen cultivar. All from different seed houses.

<u>LATE AUTUMN CAULIFLOWER VARIETY TRIAL</u> 2009 - 10

SPACING 34 X 18 10249 plants/Acre (25315/Ha) 4-row plots

Length of plot 40'6" 3' path 27 plants/row

Transplanted 10th July * Transplanted 21st July

PLOT NO	SEEDHOUSE	VARIETY
1	CLAUSE/TEZIER	NARUTO (CLX 33516)
2	CLAUSE/TEZIER	RAFALE
3*	CLAUSE/TEZIER	REGATA
4*	CLAUSE/TEZIER	INTREPID
5	CLAUSE/TEZIER	OPTIMIST
6	CLAUSE/TEZIER	MERIDIEN
7	SYNGENTA	CFL 4701
8	SYNGENTA	CARTIER
9	ELSOMS	SKYWALKER
10	ELSOMS	SALOU (BJ 2669)
11	ELSOMS	SANTE FE (BJ 2670)
12*	SEMINIS	RX 5937
13*	SEMINIS	RX 5609
14	CLAUSE/TEZIER	NARUTO (CLX 33516)
15	CLAUSE/TEZIER	RAFALE
16	CLAUSE/TEZIER	REGATA
17	CLAUSE/TEZIER	INTREPID
18	CLAUSE/TEZIER	OPTIMIST
19	CLAUSE/TEZIER	MERIDIEN
20	SYNGENTA	CFL 4701
21	SYNGENTA	CARTIER
22	ELSOMS	SKYWALKER
23	ELSOMS	SALOU (BJ 2669)
24	ELSOMS	SANTE FE (BJ 2670)
25*	SEMINIS	RX 5937
26*	SEMINIS	RX 5609

TIME OF PLANTING and SPACING TRIAL 2009 – 10

Spacing's - 34 X 21.5" (8580/Acre) 34 x 26" (7096/Acre) 34 x 30" (6150/Acre)

TRANSPLANTING DATES A plots - 10th July 2009

B plots - 21st July 2009

Plot	SEED HOUSE	VARIETY	HEADING PERIOD	
No				
27	SEMINIS	APPIA	November	
28	CLAUSE/TEZIER	NAVALO (CLX 33514)	November	
29	SEMINIS	RX 5965	November	
30	SEMINIS	RX 5981	November	
31	CLAUSE/TEZIER	DIWAN (CLX 33515)	Late Nov/December	
32	NICKERSON-ZWAAN	AB 9024	Early December	
33	CLAUSE/TEZIER	GALIOTE	Early December	
34	NICKERSON-ZWAAN	CENDIS	Early December	
35	CLAUSE/TEZIER	CHF 08-29	Early December	
36	ELSOMS	BELOT	Early/mid December	
37	SYNGENTA	DRAKE	Early/mid December	
38	SYNGENTA	LORIEN	Early December	
39	ELSOMS	MAGINOT	Mid December	
40	CLAUSE/TEZIER	CLX 33609	Mid/Late December	
41	TOZER	1001	Mid/Late December	
42	CLAUSE/TEZIER	TRIOMPHANT	Mid/Late December	
43	SYNGENTA	BUREN	Late December	
44	SEMINIS	RX 5978	Late December	
45	CLAUSE/TEZIER	CLX 33821	Late Dec/Early Jan	
46	SEMINIS	RX 5982	Late Dec/Early Jan	
47	CLAUSE/TEZIER	HERMINE	Late Dec/Early Jan	
48	TOZER	1033	Mid January	
49	SYNGENTA	ALPEN	Early January	
50	SEMINIS	RX 5962	Early January	

Plot	SEED HOUSE	VARIETY	HEADING PERIOD
No			
51	Nickerson-Zwaan	AB 1004	Mid January
52	TOZER	1034	Mid February
53	SYNGENTA	ARKWRIGHT	Early/Mid January
54	SEMINIS	RX 5697	Early/Mid January
55	TOZER	1018	Mid January
56	SEMINIS	TERMINELLO	Mid January
57	TOZER	1035	Late January
58	TOZER	1008	Mid/Late January
59	SEMINIS	TREKNOW	Mid/Late January
60	TOZER	1023	Mid/Late January
61	CLAUSE/TEZIER	BRICK	Late January
62	NICKERSON-ZWAAN	DIONIS	Late January
63	TOZER	1036	
64	CLAUSE/TEZIER	REDOUTABLE	Early February
65	SYNGENTA	BOULEN	Early/Mid Feb
66	SEMINIS	TINTAGEL	Mid February
67	SEMINIS	5738	Mid February
68	ELSOMS	MEDAILLON	Mid February
69	CLAUSE/TEZIER	MATELOT	Mid February
70	TOZER	2038	Late March
71	Syngenta	CANTEN (SG 4716)	Mid February
72	CLAUSE/TEZIER	FLEET	Mid February
73	NICKERSON-ZWAAN	AB 1036	Mid February
74	TOZER	2063	Mid April
75	SYNGENTA	BRODEN	Mid/Late February
76	SEMINIS	TREWINT	Mid/Late February
77	SYNGENTA	CLEMEN	Mid/Late February
78	CLAUSE/TEZIER	MASCARET	Mid/Late February
79	SEMINIS	CADAL	Mid/Late February
80	SYNGENTA	CIREN	Mid/Late February
81	ELSOMS	CAPULET (BJ 2713)	End February
82	Empty plot		

Plot	SEED HOUSE	VARIETY	HEADING PERIOD
No			
83	CLAUSE/TEZIER	MARSOUIN	Early March
84	ELSOMS	MADIOT	Early March
85	SYNGENTA	DANDEN	Early March
86	ELSOMS	MYSTIQUE	Mid March
87	NICKERSON-ZWAAN	KERNIS	Mid March
88	ELSOMS	ISADORA	Mid/Late March
89	ELSOMS	VOGUE	Mid/Late March
90	NICKERSON-ZWAAN	VEDIS (Vil 6322)	Late March
91	ELSOMS	TEMPEST	Late March
92	SYNGENTA	CHARIF	Late March
93	ELSOMS	INVICTA	Late March
94	SYNGENTA	CFL 4717	Late March/April
95	SYNGENTA	DARWIN	Early April
96	SEMINIS	RX5370	Early/Mid April
97	SEMINIS	TRENALE	Mid April

SPRING CABBAGE TRIALS 2009 – 10

4 rows / variety 25cm spacing in row

Transplanted 15th September 2009 into good soil conditions. 300 of each cultivar.

Module grown transplants.

SEED HOUSE	CULTIVAR
SAKATA.	KEMPSY
NICKERSON	DUCHY
TOZER	WINTERGREEN
SEMINIS	WINTER SPECIAL

Trial site details

The Trials have been undertaken at Trevarnon Farm, Gwithian, Cornwall by kind permission of Mr. J. Hosking and Son.

Production details

AUTUMN and WINTER CAULIFLOWER TRIALS

<u>Fertiliser</u>	25.06.09	Base Dressing 494Kg/Ha (4cwt/Acre) 14.14.21		
	09.08.09	Top Dressing 247Kg/Ha (2.0cwt/Acre) Calcium Nitrate		
	25.08.09	Top Dressing 247Kg/Ha (1.5cwt/Acre) Extran		
	28.10.09	Top Dressing 247Kg/Ha (2.0cwt/Acre) Calcium Nitrate		
Weed control	23.07.09	Ramrod @ 3litres/Ha & Butisan 'S' 1.2 litres/Ha		
Pest/Disease control		Wire netting prior to transplanting as rabbit control.		
	23.07.09	Permasect C @ 250ml/Ha (Caterpillar control)		
	05.09.09	Aphox @ 420Gms/Ha (Aphid control)		
		Hallmark C @ 50 ml/Ha (Caterpillar control)		
		Activator '90' in 300 Litres of water/Ha		
	11.09.09	Slug pellets around headland		
	09.11.09	Plover @ 300 ml/Ha		
		Spartan @ 300ml/Ha in 300 Litres of water/Ha		
	09.11.09	Mice bait around headlands.		

Transplanting dates

Autumn Cauliflower Variety trial Plots 1-26 10^{th} & 21^{st} July Winter Cauliflower Spacing and Time of planting Trial Plots 27-97A&B 10^{th} & 21^{st} July All cauliflower grown from 316 module raised transplants.

SPRING GREENS TRIAL

Transplanted 15th September into good conditions.

Weed control Inter row cultivations

Fertiliser Base Dressing 494Kg/Ha (4cwt/Acre) 14.14.21

<u>Disease control</u> 09.11.09 Plover @ 300 ml/Ha

Spartan @ 300ml/Ha in 300 Litres of water/Ha

Trial design

	BRASS	ICA TRIA	LS FIELD	PLAN 2	2009 - 10		
AUTUMN	WINTER	CAULIFLOW	ER VARIETI	ES			
Autumn	Spacing	Spacing	Spacing	Spacing	Co	nfidential _l	olots
Varieties	Time of Pla	n Time of Pla	n Time of Pla	n Time of Pla	nting		
	Transplant	e Transplant	e Transplante	e Transplante	ed		
	10.07.09	21.07.09	10.07.09	21.07.09			
Plots 25 - 26	Ò						
	59A - 62A	59B - 62B	95A - 97A	95B - 97B			233 - 240
Plots 21 - 24							
	55A - 58A	55B - 58B	91A - 94A	91B - 94B	105		
						119	
Plots 17 - 20	51A - 54A	51B - 54B	87A - 90A	87B - 90B	104	118	225 - 232
\perp		_			_	117	
\perp	47A - 50A	47B - 50B	83A - 86A	83B - 86B	103	116	
Plots 13 - 16		_			_	115	
\vdash	43A - 46A	43B - 46B	79A - 82A	79B - 82B	102	114	217 - 224
\perp		_			_	113	
Plots 9 - 12	39A - 42A	39B - 42B	75A - 78A	75B - 78B	101	112	
\vdash		_		-	_	111	
\vdash	35A -38A	35B -38B	71A - 74A	71B - 74B	100	110	209 - 216
Plots 5-8						109	
\vdash	31A - 34A	31B - 34B	67A - 70A	67B - 70B	99	108	
						107	
Plots 1 - 4	27A - 30A	27B - 30B	63A - 66A	66B - 66B	98	106	201 - 208

Each plot consisting of 4 rows with the outer rows being guards. 50 plants of each cultivar recorded with harvesting occurring every Monday and Thursday throughout the harvesting period of the Trials. (October – May 09-10).

Trial records and data collected

Predominant weather conditions July 2009 – May 2010

Difficult transplanting conditions were experienced in July with only 8 days without rainfall and a rainfall of 221.8mms (8.9inches). This disrupted the later transplanting date which went in 5 days later than planned.

It continued wet in early August with 85.4 mms (3.4 inches) but then a period of 6 weeks of above average temperatures with minimal rainfall in September with only 35.4 mms (1.4 inches) ensured the early planted crops grew well however some of the late transplanted cultivars struggled to get established. Average day temperatures in September being 1.3C above the average.

Rainfall in October was 81.9mm (3.2 inches) just below the average; however average day temperatures were almost 2C higher than normal in October. This resulted in some white bracting in the early Winter cauliflower cultivars.

Mixed weather in November and December saw the cultivars ahead of harvesting schedule by up to three weeks however cold dry weather in January with ground frosts down to a low of -6.8C resulted in some plant and curd damage with yields below the norm. Mild weather from late February onwards ensured high quality and yields through to the final harvest in early May with all cultivars performing well despite the earlier cold spell.

For each Autumn and Winter Cauliflower cultivar the following record sheet is completed at each harvest and on completion of harvesting summaries are made of all data collected supported by visual observations as appropriate. These to be found in the Full Trial report in the Appendices.

CAULIFLOWER RECORD

little of		Time of planting Trial		GWITHIAI	V
Experime	ent .		Ref. V	EO3/	
	Col. (6.	8)		Plot	(6.8)

		<u>e</u>	Def	ects			<u></u>	Ĭ		RECORDERS PLEASE NOTE			2	D	efects	S		<u>+</u>	
Harvest	CIASS OI	Unmarketable Size	Ricey	Bracted	Loose	Curd Colour	Luna Depur	Space A not	banched	Missing Plants – For each missing plant unrecordable through non varietal factors put harvest OO and 1 under class.	Harvest	Class of	Size	Ricey	Bracted	Loose	Curd Colour	Immature	Space A not punched
		-			l			. 		Harvest Date – Put harvest date/code	<u> </u>								
										Class or Unmarketable O – Extra Class, 1 – Class 1, 2 – Class 2, F – Facepack, X – unmarketable.									
										Size - O Not sized 1 Button 2 small 6 Facepack									
										8 Facepack 12 (grade 2) 16 (Grade 2) 8 Blind									
										9 Frost killed in vegetative stage. Ricey or Loose – Put 1 in appropriate column or leave blank. Bracts									
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					 White fine bracts. Green bracts or leave blank. Curd Colour 									
										 Yellow Pink Discoloured Rotted curd 									
										5 Slight frosted or water soaked.6 Severe frosted or water									
										soaked. X Leaf Scorch									

	If X and other fault present write X, X etc. 1 2 Curd Depth + Immature Record curd depth on all sized curds		
	 Depth ½ sphere Depth ¹/₃ sphere - ½ sphere Depth ¹/₃ sphere Immature at final harvest or leave blank. 		
	<u>Space A</u> may be used to record information helpful in interpreting data (e.g. bird damage, stem rot and an additional colour record).		

Discussion

The top performing cultivars highlighted within the results section identifies cultivars that have performed above the average yield of 75% Grade 1. Each 1% above this average yield increases gross income by £59/Ha based on a price of 30p per cauliflower.

Conclusions

Within the Autumn and Winter Cauliflower cultivars, a number of cultivars which have been previously known as a numbered cultivar are now named, with some performing well in this season. Although a number of established cultivars continue to perform well the following cultivars which have been introduced in recent years have performed well this season.

Clause	Naruto	Late October
Seminis	RX5965	Late October
Elsoms	Salou	Early November
Clause	Navalo	Early November
Clause	Diwan	Mid November
Seminis	RX5981	November
Seminis	RX5978	Late November

Syngenta Canten Mid February

Tozer 2038 March

Nickerson AB1036 Mid March

Nickerson Vedis April

Syngenta Danden Early April
Tozer 2063 Late April
Seminis RX5370 Late April

It is to be noted that each cultivar performs differently from season to season however data is available over the past 13 seasons which provides a basis upon which growers can make an informed decision on which cultivars to grow to provide a continuous supply.

Technology transfer

The Trials are harvested twice a week and results are updated weekly on the following website http://www.cornwall.ac.uk/research/herring Open days were held in December, January and March where up to date information was made available to growers and representatives from the industry.

Appendices

The following appendices show the summaries of all cultivars in both the Autumn and Winter Cauliflower Trials for 2009 – 10, with additional comments regarding each cultivar trialed.

AUTUMN CAULIFLOWER VARIETY TRIAL

		EARLY	RLY VARIETIES 2009 - 10	ES 200	9 - 10			SPACIN	SPACING 34" X 18" 10249/Acre	18" 102	49/Acre	
									0	Crates / Acre		
VARIETY	PLOT	no	CUTTING PERIOD	Q	DAYS	Class	Class	Unmarket	Facepack			Class 2
		10%	20%	%06		-	2		8	9	16	12
NARUTO	1	26.10	30.10	2.11	7	06	2	8	1127	34	13	0

all frame. Very leafy. Deep well protected curds. Heavy curds. Easy to see, cut and bag. Twisted leaf over curds. Very uniform. Average

10.5 4

85 88

9.11

30.10 30.10

26.10

164

6

1044 961

Good Facepack material.

RAFALE	2	30.10	2.11	12.11	13	80	4	16	1024	0	26	0
	15	26.10	2.11	9.11	14	62	18	20	788	0	115	0
Average		28.10	2.11	10.11	13	71	11	18	906	0	71	0
Small frame. Good	Good curd protec	tion.	Solid curds. Lo	ow to the ground.	und. Slightl	ly wide base	ide base to curds. (Good Facepacl	ack material.			
				41.0				-	000			

REGATA	3	18.11	23.11	3.12	15	89	12	20	833	43	64	21
	16	12.11	23.11	3.12	21	74	11	15	915	49	73	0
Average		15.11	23.11	3.12	18	71	11	18	874	46	69	11

Smooth curds. Smallish frame. Easy to see, cut and bag. Good Facepack material. A few small plants/curds.

Will turn off white if not cut every 3 or 4 days.

INTREPID	4	18.11	30.11	10.12	22	26	15	29	723	0	66	0
	17	12.11	23.11	10.12	28	62	18	20	788	0	115	0
Average		15.11	26.11	10.12	25	29	17	24	756	0	107	0

Good Facepack material. Good curd cover. Slightly knobbly curds. Will turn off white if not cut every 3 or 4 days. A few small plants/curds.

Few other defects.

OPTIMIST	2	30.10	2.11	9.11	10	88	4	80	1102	34	26	0
	18	30.10	2.11	9.11	10	74	7	19	894	149	42	0
Average		30.10	2.11	9.11	10	81	5	14	866	92	34	0

Uniform. Medium sized frame. Good curd protection. Slightly wide base to curds. Very good Facepack material. Easy to see, cut and pack. Looks good in tray.

AUTUMN CAULIFLOWER VARIETY TRIAL

		FARIY	EARLY VARIETIES 2009 - 10	-S 200	9 - 10			SPACIN	SPACING 34" X 18" 10249/Acre	18" 102	49/Acre	
					2					2		
)	Crates / Acre		
VARIETY	PLOT	ກວ 	CUTTING PERIOD	Q	DAYS	Class	Class	Unmarket	Facepack			Class 2
		10%	%09	%06		1	2		8	9	16	12
MERIDIAN	9	26.10	30.10	5.11	10	80	11	6	939	114	71	0
	19	19.10	30.10	9.11	21	61	20	19	641	186	125	0
Average		22.10	28.10	5.11	14	71	15	14	790	150	86	0
Large leaf. Slightly wide I Easy to see, cut and bag.		ase to curds. Smooth curds. Good protection. Good weight. Good Facepack material A few brown markings at the base of leaves. Uniform.	Smooth curnary	ds. Good p	rotection. (leaves. Uni	Sood weight form.	. Good Fac	epack mater	ial.			

CFL 4701	7	12.11	19.11	3.12	21	09	22	18	740	38	142	0
	20	18.11	23.11	3.12	15	58	28	14	737	0	176	0
Average		15.11	21.11	3.12	18	29	25	16	739	19	159	0

Tall frame. Dark green leaves. Twisted leaf over curds. Slightly wide base to curds. Uniform. Good weight. Will turn off white if not cut every 3 or 4 days. Good Facepack material.

CARTIER	8	26.10	30.10	12.11	17	82	6	13	911	114	25	0
	21	3.11	12.11	18.11	16	08	5	15	1024	0	32	0
Average		29.10	5.11	15.11	16	79	7	14	896	22	45	0
Dark groon loaf 1	Iniform	Smooth curde	Slinhtly	intlod lost to	in llow onth	Pototopod curde	2	Wolaht Vory	good Facer	leirotem Joer		

Dark green leat. Uniform. Smooth curds. Slightly crinkled leaf type. Well protected curds. Good weight. Very good Facepack material Uniform. Looks good in trays. Easy to see, cut and pack.

SKYWALKER	6	15.10	26.10	2.11	18	68	14	18	846	34	06	0
	22	15.10	26.10	2.11	18	99	20	14	692	102	128	0
Average		15.10	26.10	2.11	18	29	17	16	807	89	109	0
Dark green leaf. S	Smooth cur	ırds. Slightly	open habit.	Easy to see,	e, cut and bag. I	g. Uniform.	Good	Facepack. A few	A few off white c	curds.		
SALOU	10	30.10	2.11	9.11	10	99	20	14	846	0	128	0
	23	26.10	30.10	5.11	10	92	10	14	897	102	64	0
Average		28.10	31.10	7.11	10	71	15	14	872	51	96	0

96 Average 28.10 31.10 7.11 10 71 15 14 81.2 51 50 Juliform. Easy to see, cut and pack. A few loose curds. Medium weight. Good Facepack material. Looks good in tray. Medium sized frame. 31.10 28.10

AUTUMN CAULIFLOWER VARIETY TRIAL

		EARLY	EARLY VARIETIES 2009 - 10	ES 200	9 - 10			SPACING 34" X 18" 10249/Acre	G 34" X	18" 102	49/Acre	
										Crates / Acre		
VARIETY	PLOT	າວ 	CUTTING PERIOD	Q	DAYS	Class	Class	Unmarket	Facepack			Class 2
		40%	20%	%06		-	2		8	9	16	12
Sante Fe	11	26.10	30.10	5.11	10	29	80	25	827	36	53	0
	24	26.10	2.11	5.11	10	73	16	11	815	155	87	19
Average		26.10	31.10	5.11	10	20	12	18	821	96	20	6
Slightly wide base t A few off white curd	to curds. ds. Need	le base to curds. Large frame. Slight twist to frame. Good curd cover. A few irregular shaped curds. Good Facepack material hite curds. Needs cutting every 2 or 3 days.	e. Slight twis	t to frame. ys.	Good curd	cover. A fe	w irregular	shaped curd	s. Good Fac	epack mate	erial.	

RX 5937	12	5.11	23.11	7.12	32	29	16	17	854	0	100	0
	25	12.11	23.11	7.12	25	99	17	17	842	0	92	24
Average		8.11	23.11	7.12	28	29	16	17	848	0	96	12
			L									

Small frame. Dark green leaf. Smooth Good Facepack material. Looks good in tray. Slightly crinkled leaf. Good weight. Medium sized curds. Reasonable leaf cover over curds.

KX 2609	13	5.11	23.11	7.12	32	57	23	20	683	0 0	149	00
Average		5.11	20.11	8.12	34	55	23	22	705	0	149	ŀ

Small fame/curds. Uniform. Reasonable curd cover. Slightly wide base to curds. Good Facepack material. Will turn off white if not cut every 3 or 4 days.

	TIME (TIME OF PLANTING AND SPACING TRIAL	NTING /	AND SP	ACINC	3 TRIA	_			2009 - 10	10
A plots transplanted 10th July A1 and B1 8580/Acre	splanted '8580/Acre	10th July	A2 and B2	E 7096/Acre	B plots	transplan A3 and B3	, ž	ed 21st July 6150/Acre			
VARIETY	PLOT	2	CUTTING PERIOD	OC	DAYS	Class	Class	Unmkt	Facepack		Class
					Γ	-	2		Class 1		
					•					Crates/Acre	
		10%	20%	%06		%	%	%	œ	9	16
Seminis	27A1	02.11.09	02.11.09	09.11.09	7	88	0	12	946	0	0
APPIA	27A2	30.10.09	02.11.09	05.11.09	9	98	0	14	269	84	0
	27A3	30.10.09	02.11.09	05.11.09	9	83	0	17	448	256	0
	27B1	23.11.09	03.12.09	07.12.09	14	64	7	29	689	0	38
	27B2	23.11.09	03.12.09	07.12.09	14	57	7	36	207	0	32
	27B3	23.11.09	03.12.09	07.12.09	14	09	20	20	461	0	77
Uniform. Darker outer leaf.	er outer leaf	. Twisted lea	af over smoo	Twisted leaf over smooth curds. Slightly wide base.	lightly wi	de base. S	Solid curds.	s. A few s	A few small curds.		
Very good Facepack material.	epack mate	rial.									
Clause	28A1	26.10.09	09.11.09	18.11.09	23	94	0	9	1005	0	0
Tezier	28A2	26.10.09	02.11.09	05.11.09	10	93	0	7	824	0	0
NAVALO	28A3	26.10.09	02.11.09	12.11.09	17	92	0	8	641	82	0
	28B1	03.12.09	14.12.09	21.12.09	18	20	19	31	536	0	9
	28B2	03.12.09	14.12.09	29.12.09	56	58	8	34	517	0	37
	28B3	03.12.09	14.12.09	29.12.09	56	36	29	35	274	0	110
Smallish frame.	. Twisted le	Twisted leaves over curds. Uniform. Paler inner leaf. Good Facepack material. Few defects.	urds. Unifor	m. Paler inn	er leaf. G	ood Face	pack mate	rial. Few	defects.		
Easy to cut and pack.		Some small plants/curds with later transplanting, some off white curds.	nts/curds w	ith later tran	splanting	j, some of	f white cu	rds.			
Seminis	29A1	30.10.09	30.10.09	05.11.09	9	100	0	0	804	179	0
RX 5965	29A2	30.10.09	02.11.09	09.11.09	10	93	0	7	634	253	0
	29A3	30.10.09	02.11.09	05.11.09	9	100	0	0	238	308	0
	29B1	19.11.09	03.12.09	07.12.09	18	71	7	22	992	0	38
	29B2	30.11.09	03.12.09	10.12.09	10	62	8	30	546	0	34
	29B3	30.11.09	03.12.09	07.12.09	7	64	6	27	489	0	35
Large frame. Dark outer leaf. Paler inner leaf. Twisted leaf over curds.	ark outer le	af. Paler inn	er leaf. Twis	sted leaf ove	r curds.	Slightly w	Slightly wide base to curds.	curds.			
Good weight. Good Facepack material	300d Facep	ack material									
Seminis	30A1	09.11.09	12.11.09	19.11.09	10	86	7	7	919	0	38
RX 5981	30A2	09,11.09	12.11.09	19.11.09	10	67	17	16	591	0	74
	30A3	18.11.09	19.11.09	30.11.09	12	82	6	6	559	93	35
	30B1	07.12.09	10.12.09	21.12.09	14	62	0	38	099	0	0
	30B2	03.12.09	07.12.09	10.12.09	7	22	21	22	202	0	95
	30B3	03.12.09	03.12.09	10.12.09	7	22	18	27	419	0	2

 Tall frame. Brittle large leaves. Spreading base to curds. Heavy curds. Good Facepack material.

Class 2

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듩	splanted	10th July			B plots	transpi	=	st July				
A1 and B1	8580/Acre		A2 and B2	A2 and B2 7096/Acre		A3 and B3		6150/Acre				
VARIETY	PLOT	าว	CUTTING PERIOD	OC	DAYS	Class	Class	Unmkt	Facepack		Class 2	
						1	2		Class 1			
										Crates/Acre		
		10%	%09	%06		%	%	%	8	9	16	12
Clause	31A1	09.11.09	12.11.09	18.11.09	6	75	13	12	737	68	19	0
Tezier	31A2	09.11.09	12.11.09	18.11.09	6	93	7	0	260	102	0	0
DIWAN	31A3	12.11.09	12.11.09	19.11.09	7	93	7	10	217	171	32	0
	31B1	03.12.09	10.12.09	04.01.10	32	20	25	25	536	0	134	0
	31B2	03.12.09	07.12.09	29.12.09	26	43	14	43	380	0	32	42
		03.12.09	10.12.09	04.01.10	32	28	17	25	448	0	64	0
Slightly wide base to cu		rds. Strong frame. Good curd protection. Good solid curds.	ame. Good c	urd protecti	on. Good	solid cur	ds. Good	Good Facepack material.	material.			
Small frames/curds with	urds with la	later transplanting, curds quickly turn off white.	inting, curds	s quickly turi	n off whit	ie.						
Nickerson	32A1	30.11.09	10.12.09	21.12.09	21	29	20	13	715	0	107	0
Zwaan	32A2	10.12.09	14.12.09	21.12.09	11	58	33	6	217	0	148	0
AB 9024	32A3	30.11.09	10.12.09	21.12.09	21	20	20	10	538	0	77	0
	32B1	10.12.09	29.12.09	04.01.10	25	54	31	15	218	0	165	0
	32B2	29.12.09	04.01.10	18.01.10	20	20	25	25	443	0	111	0
	32B3	29.12.09	04.01.10	18.01.10	20	20	30	20	384	0	115	0
Medium sized frame. Some good Facepack material. Medium depth. Will turn off white if not cut every	frame. Som	e good Face	pack mater	ial. Medium	depth. W	ill turn off	white if no	ot cut eve	ry 3 or 4 days.	ays. Limited	Limited leaf cover.	
Some collapsed plants with later transplantings.	d plants wi	th later trans	splantings.									
Clause	33A1	30.10.09	09.11.09	23.11.09	24	80	13	7	858	0	36	48
Tezier	33A2	02.11.09	12.11.09	23.11.09	21	77	15	8	614	91	89	0
GALIOTE	33A3	30.10.09	05.11.09	12.11.09	13	83	8	6	217	85	32	0
	33B1	23.11.09	03.12.09	17.12.09	24	87	0	13	858	92	0	0
	33B2	23.11.09	07.12.09	10.12.09	14	77	0	23	614	91	0	0
	33B3	30.11.09	03.12.09	07.12.09	7	83	8	6	277	85	32	0
Medium sized frame. Tw		isted leaf over curds. Pale leaf. Some variation in plant/curd size.	r curds. Pale	e leaf. Some	variation	ı in plant/o		East to see,	cut and	pack.		
Long heading period.	period.	Good Face	Good Facepack material	al.								
Nickerson	34A1	18.11.09	30.11.09	07.12.09	19	69	19	12	737	0	101	0
Zwaan	34A2	18.11.09	30.11.09	07.12.09	19	71	14	15	202	169	63	0
CENDIS	34A3	18.11.09	30.11.09	07.12.09	19	83	8	9	641	0	32	0
	34B1	21.12.09	04.01.10	14.01.10	24	09	13	27	644	0	72	0
	34B2	21.12.09	04.01.10	14.01.10	24	64	7	29	220	0	32	0
		21.12.09	04.01.10	14.01.10	24	29	8	25	513	0	32	0
Uniform. Paler inner lea	اني	Good Facepack material. Few defects. Will turn of white if not cut every 3 or 4 days. Few small plants/curds.	ack materia	. Few defect	ts. Will tu	rn of whit	te if not cu	t every 3	or 4 days.	ew small p	lants/curd	

TIME OF PLANTING AND SPACING TRIAL

A plots transplanted 10th July

A1 and B1 8580/Acre

2009 - 10

B plots transplanted 21st July

A3 and B3 6150/Acre A2 and B2 7096/Acre

42 0 0 0 0 48 C 0 0 0 0 Class 2 105 143 Solid curds. Good weight. Slightly wide base to curds. Good curd cover. Medium sized frame. Uniform. Good Facepack material. 153 16 82 88 95 20 8 33 34 85 96 38 32 17 27 82 64 0 37 Upright leaf type. Slightly wide base to curds. Good Facepack material. Uniform. Some frost damage on later transplantings. Good Facepack material Crates/Acre 85 0 0 Reasonable curd cover. Facepack Class 1 919 546 641 572 507 538 513 613 317 349 804 494 603 296 384 641 460 443 697 Unmkt Iniform. Leafy plants. Twisted leaf over curds. Paler inner leaf. Some yellowing at base of leaves. 4 3 33 20 22 20 35 37 ∞ 15 윉器 25 6 23 23 37 Dark green leaf. Clean leaf. Better at the wider spacing. Uniform. Good Facepack material. Easy to see, cut and pack. Very small frame and resultant curds from later transplanting. 15 27 10 7 29 25 25 29 6 21 21 42 9 ∞ Class 21 36 Class % 62 29 83 36 33 28 20 83 88 43 57 57 64 83 20 9 Some frost damaged curds with later transplanting and smaller frame/curds. DAYS 24 24 10 9 28 9 12 5 28 5 31 ည 3 03.12.09 14.01.10 10.12.09 10.12.09 28.01.10 28.01.10 28.01.10 30.11.09 30.11.09 14.01.10 14.01.10 14.01.10 03.12.09 14.01.10 04.01.10 03.12.09 03.12.09 04.01.10 04.01.10 04.01.10 30.11.09 %06 **CUTTING PERIOD** 18.01.10 25.01.10 04.01.10 30.11.09 14.12.09 | 29.12.09 14.12.09 21.12.09 30.11.09 30.11.09 25.01.10 04.01.10 21.12.09 04.01.10 29.12.09 30.11.09 23.11.09 23.11.09 30.11.09 30.11.09 30.11.09 23.11.09 17.12.09 14.12.09 Protected against frost with later transplanting. 20% 18.01.10 04.01.10 04.01.10 12.11.09 18.11.09 17.12.09 14.12.09 14.12.09 23.11.09 14.12.09 14.12.09 18.11.09 19.11.09 19.11.09 14.12.09 07.12.09 18.11.09 18.11.09 10% 36A3 PLOT 35A3 37A3 35A2 35B1 35B2 35B3 36A2 36B1 36B2 36B3 37A2 37B2 38A1 38A3 38B2 38B3 37A1 37B1 38B1 35A1 37B3 VARIETY **CHF 08-29** Syngenta Syngenta ORIEN Elsoms DRAKE Clause BELOT **Fezier**

	TIME (TIME OF PLANTING AND SPACING TRIAL	NTING /	AND SP	ACIN	G TRI	7			2009 - 10	10	
A plots transplanted 10th July	splanted	10th July			B plot	B plots transplanted 21st July	anted 2	1st July				
A1 and B1 8	8580/Acre	40	A2 and B2	A2 and B2 7096/Acre	d)	A3 and B3	B3 6150	6150/Acre				
VARIETY	PLOT	າວ	CUTTING PERIOD	ac	DAYS	Class	Class	Unmkt	Facepack		Class 2	
						1	2		Class 1			
										Crates/Acre	d)	
		40%	20%	%06		%	%	%	8	9	16	_
Elsoms	39A1	19.11.09	23.11.09	30.11.09	11	69	13	18	737	0	34	4
Maginot	39A2	18.11.09	23.11.09	30.11.09	12	09	20	20	532	0	88	
	39A3	18.11.09	19.11.09	26.11.09	80	83	8	6	513	171	32	
	39B1	04.01.10	18.01.10	25.01.10	21	22	21	22	613	0	115	
	39B2	17.12.09	18.01.10	25.01.10	39	38	23	39	341	0	102	
	39B3	17.12.09	18.01.10	25.01.10	39	22	18	27	419	0	70	
Easy to see, cut and bag. Looks good in tray. Will turn off white if not cut every 3 or 4 days. Reasonable curd cover.	t and bag.	Looks good	in tray. Will	turn off whi	te if not	cut every 3	3 or 4 days	s. Reason	able curd c	over.		
Good Facepack material with early transplanting. Some small plants/curds with later transplanting.	k material v	with early tra	nsplanting.	Some small	plants/c	urds with	later trans	planting.				
Clause	40A1	29.12.09	25.01.10	08.02.10	41	09	27	13	572	92	143	ľ
Tezier	40A2	18.01.10	08.02.10	15.02.10	28	62	23	15	246	0	102	
CLX 33609	40A3	04.01.10	25.01.10	15.02.10	42	71	59	0	249	0	110	
	40B1	18.02.10	22.02.10	04.03.10	14	22	21	22	536	0	100	
	40B2	08.02.10	18.02.10	25.02.10	11	54	15	31	477	0	89)
	40B3	08.02.10	22.02.10	25.02.10	17	29	16	17	513	0	64	
Well protected curds. Twisted leaf over curds. Uniform. Some off white curds.	curds. Twi	sted leaf ove	er curds. Un	iform. Some	off whit	e curds. G	Good Facepack material.	oack mate	rial.			
Smaller plants with later transplanting.	with later t	ransplanting	_									
Tozer	41A1	30.11.09	03.12.09	07.12.09	7	20	38	12	989	0	201	
1001	41A2	30.11.09	30.11.09	07.12.09	7	59	20	21	253	0	222	4
	41A3	30.11.09	30.11.09	10.12.09	10	42	42	12	320	0	160	
	41B1	21.12.09	18.01.10	25.01.10	35	38	32	30	402	0	168	
	41B2	29.12.09	18.01.10	28.01.10	30	43	21	36	329	0	82	
	41B3	21.12.09	18.01.10	18.01.10	28	42	33	25	320	0	128	_
Open frame. Tendency to turn cream and loose. Smallish curds. Some good	ndency to tu	urn cream and	d loose. Sma	llish curds. S	ome goo	d Facepac	k material.	Frost dam	aged with I	Facepack material. Frost damaged with later transplantings.	antings.	
Clause	42A1	30.11.09	30.11.09	17.12.09	17	75	13	12	804	0	29	
Tezier	42A2	30.11.09	30.11.09	10.12.09	10	71	14	15	634	0	63	
TRIOMPHANT	42A3	18.11.09	23.11.09	03.12.09	15	83	8	6	577	85	32	_
	42B1	21.12.09	25.01.10	28.01.10	38	63	19	18	670	0	101	_
	42B2	21.12.09	25.01.10	08.02.10	49	64	14	22	202	84	63	
	42B3	04.01.10	18.01.10	08.02.10	35	29	8	22	513	0	32	_
Solid curds. Good Protection. Good Facepack material.	od Protectio	n. Good Face	spack materia	al. A few sma	all plants	/curds. Sor	ne frost da	mage with	A few small plants/curds. Some frost damage with later transplantings.	olantings.		

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A plots transplanted 10th July
A1 and B1 8580/Acre

B plots transplanted 21st July e A3 and B3 6150/Acre

A2 and B2 7096/Acre

VARIETY PLOT	PLOT	ວ	CUTTING PERIOD	ac	DAYS	Class	Class	Unmkt	Facepack		Class 2	
						1	2		Class 1			
										Crates/Acre		
		10%	20%	%06		%	%	%	8	9	16	12
Syngenta	43A1	29.12.09	28.01.10	11.02.10	44	53	20	27	572	0	107	0
Buren	43A2	04.01.10	28.01.10	11.02.10	38	20	21	58	443	0	92	0
	43A3	18.01.10	25.01.10	11.02.10	24	42	25	33	320	0	96	0
	43B1	15.02.10	25.02.10	04.03.10	17	47	13	40	501	0	72	0
	43B2	15.02.10	01.03.10	08.03.10	21	38	14	48	341	0	68	0
	43B3	18.02.10	04.03.10	08.03.10	18		18	46	280	0	70	0
Solid curds. Will turn off white if not cut every 3 days. Easy to see/cut and bag.	ill turn off v	white if not c	ut every 3 d	ays. Easy to	see/cut	and bag. (Open habit	t, limited	curd cover	Open habit, limited curd cover with some frost damage.	frost dama	ge.
Some small plants/curds especially with later transplantings.	ints/curds	especially w	ith later tran	splantings.	Long he	ading peri	Long heading period due to cold weather	cold wear	ther.			
Seminis	44A1	30.11.09	30.11.09	03.12.09	3	93	0	7	966	0	0	0
RX 5978	44A2	30.11.09	30.11.09	07.12.09	7	62	15	23	478	91	89	0
	44A3	30.11.09	30.11.09	10.12.09	10	79	14	7	464	146	22	0
	44B1	14.12.09	21.12.09	04.01.10	21	46	38	16	495	0	206	0
	44B2	14.12.09	21.12.09	04.01.10	21	62	15	23	545	0	68	0
	44B3	14.12.09	21.12.09	04.01.10	21	09	30	10	461	0	115	0
Uniform. Good weight.		le leaf. Very	Pale leaf. Very Good Facepack material with earlier transplanting	ack materia	l with ea	rlier trans		Some yel	lowing at k	Some yellowing at base of leaves.	es.	
Smaller plants/curds at later transplanting with atendency to turn off white.	curds at lat	ter transplar	iting with at	endency to t	urn off w	/hite.						
Clause	45A1	04.01.10	25.01.10	28.01.10	24	22	14	58	613	0	77	0
Tezier	45A2	04.01.10	25.01.10	01.02.10	28	20	25	25	443	0	111	0
CLX 33821	45A3	04.01.10	25.01.10	08.02.10	35	22	18	27	419	0	69	0
	45B1	18.01.10	08.02.10	08.02.10	21	53	27	20	572	0	143	0
	45B2	18.01.10	25.01.10	08.02.10	21	22	14	58	202	0	63	0
	45B3	25.01.10	28.01.10	15.02.10	21	22	27	18	419	0	105	0
Small frame. Some good	ome good F	acepack ma	Facepack material. Uniform. A few small plants/curds.	rm. A few si	mall plan	ts/curds.	Will turn o	ff white if	Will turn off white if not cut every	30	4 days.	
Reasonable curd cover	rd cover.	Some wiltir	Some wilting due to waterlogging.	terlogging.								
Seminis	46A1	11.11.09	18.11.09	19.11.09	8	81	9	13	236	447	34	0
RX 5982	46A2	11.11.09	18.11.09	19.11.09	8	85	7	8	443	422	32	0
	46A3	11.11.09	18.11.09	19.11.09	8	85	0	8	320	512	0	0
	46B1	23.11.09	07.12.09	14.12.09	21	69	9	25	737	0	34	0
	46B2	03.12.09	07.12.09	14.12.09	11	64	14	22	220	0	63	0
	46B3	23.11.09	03.12.09	07.12.09	14	29	8	25	513	0	32	0
Large curds. Very good Facepack material. Smooth curds. Good weight. Spreading frame	ery good Fa	acepack mar	erial. Smoot	th curds. Go	od weigl	nt. Spread	ing frame.					

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A plots transplanted 10th July A1 and B1 8580/Acre

B plots transplanted 21st July e A3 and B3 6150/Acre

A2 and B2 7096/Acre

						ı						
VARIETY	PLOT	ธ	CUTTING PERIOD	OC	DAYS	Class	Class	Unmkt	Facepack	_	Class 2	
						1	2		Class 1			
										Crates/Acre	•	
		10%	20%	%06		%	%	%	8	9	16	12
Clause	47A1	07.12.09	10.12.09	29.12.09	22	69	31	0	737	0	168	0
Tezier	47A2	07.12.09	14.12.09	29.12.09	22	79	21	0	269	0	92	0
Hermine	47A3	10.12.09	14.12.09	29.12.09	19	29	17	16	513	0	64	0
	47B1	25.01.10	28.01.10	08.02.10	14	56	39	2	603	0	201	0
	47B2	04.01.10	25.01.10	28.01.10	24	20	53	21	443	0	127	0
	47B3	21.12.09	18.01.10	25.01.10	35	29	25	8	513	0	96	0
Tough blooking frame. Twisted frame. Thick mid rib to leaves. Very well	g frame. Tw	visted frame	. Thick mid 1	rib to leaves.	. Very we	II protecte	ed curds. (300d Fac	protected curds. Good Facepack material.	erial.		
Not easy to see and cut.	and cut.											
Tozer	48A1	21.12.09	04.01.10	18.01.10	28	47	20	33	501	0	107	0
1033	48A2	14.12.09	04.01.10	18.01.10	35	43	21	36	380	0	95	0
	48A3	10.12.09	21.12.09	14.01.10	35	20	17	33	384	0	64	0
	48B1	01.02.10	08.02.10	25.02.10	24	54	23	23	577	0	124	0
	48B2	25.01.10	08.02.10	08.02.10	14	43	21	36	380	0	95	0
	48B3	25.01.10	01.02.10	08.02.10	14	55	6	36	419	0	35	0
Small frame. Tendency to turn off white. Medium depth. Some good Facepack material.	endency to	turn off whi	te. Medium	depth. Some	good Fa	cepack m	aterial. Ea	Easy to see,	cut and bo	cut and bag. Limited curd cover	curd cove	٠
Some frost damage to curds.	nage to cur	rds.										
Syngenta	49A1	25.01.10	08.02.10	11.02.10	17	64	0	36	689	0	0	0
Alpen	49A2	25.01.10	08.02.10	08.02.10	14	20	14	36	443	0	63	0
	49A3	08.02.10	08.02.10	18.02.10	10	55	6	36	419	0	35	0
	49B1	01.02.10	22.2.10	25.02.10	24	20	21	53	536	0	115	0
	49B2	08.02.10	18.02.10	22.02.10	14	42	25	33	370	0	111	0
	49B3	18.02.10	22.02.10	25.02.10	7	20	20	30	384	0	11	0
Solid curds just making'8s'. Several small plants/curds. Some frost damaged curds. Limited curd protection during frosty period.	t making'8	s'. Several s	mall plants/o	curds. Some	frost dar	naged cu	rds. Limite	d curd pr	otection d	uring frosty	y period.	
Look good in tray. Very small frame/curds from later transplantings.	ay. Very sr	nall frame/c	ırds from la	ter transplar	tings.							
Seminis	50A1	08.02.10	25.02.10	04.03.10	24	20	14	36	536	0	17	0
RX 5962	50A2	08.02.10	25.02.10	04.03.10	24	46	23	31	409	0	102	0
	50A3	18.02.10	25.02.10	04.03.10	14	38	15	47	296	0	29	0
	50B1	01.03.10	08.03.10	18.03.10	11	47	20	33	501	0	107	0
	50B2	22.02.10	04.03.10	18.03.10	24	54	15	31	478	0	89	0
	50B3	01.03.10	15.03.10	18.03.10	11	38	23	36	296	0	88	0
Slightly twisted frame. Untidy leaf. Some good Facepack material. Some small plants/curds.	frame. Un	tidy leaf. So	me good Fa	cepack mate	rial. Som	e small p	ants/curd	s.				

	TIME	TIME OF PLANTING AND SPACING TRIAL	NTING /	AND SP	ACIN	G TRI	AL			2009 -	10
A plots transplanted 10th July	splanted	10th July			B plots	transp	B plots transplanted 21st July	Ist July			
A1 and B1	8580/Acre		A2 and B2	42 and B2 7096/Acre	(I)	A3 and	A3 and B3 6150/Acre	//Acre			
VARIETY	PLOT	כו	CUTTING PERIOD	DD	DAYS	Class	Class	Unmkt	Facepack		Class 2
						1	2		Class 1		
										Crates/Acre	0
		40%	20%	80%		%	%	%	8	9	16
Nickerson	51A1	08.02.10	11.02.10	18.02.10	10	64	7	29	689	0	38
Zwaan	51A2	18.01.10	08.02.10	15.02.10	28	54	31	15	478	0	136
AB 1004	51A3	28.01.10	08.02.10	15.02.10	18	20	20	30	384	0	77
	51B1	18.02.10	04.03.10	15.03.10	25	54	80	38	578	0	41
	51B2	22.02.10	04.03.10	08.03.10	14	38	23	33	341	0	102
	51B3	25.02.10	04.03.10	08.03.10	11	36	28	98	280	0	105
GOOD Facepack material. Uniform, A few small plants/curds with later transplantings. Pale lear, Good cover, Medium deptin	k material.	Unitorm. A r	ew small pla	nts/curds w	ith later	ransplan	tings. Pale	lear. Goo	d cover. M	edium dep	th.
Reasonable leaf cover. Will turn off white if not cut every 3 or 4 days.	af cover. Wi	ll turn off w	hite if not cu	tevery 3 or	4 days.						
Tozer	52A1	25.01.10	28.01.10	08.02.10	14	99	13	31	603	0	29
1034	52A2	18.01.10	25.01.10	08.02.10	21	38	23	33	341	0	102
	52A3	25.01.10	25.01.10	28.01.10	3	20	17	33	384	0	64
	52B1	08.02.10	22.02.10	25.02.10	17	20	7	43	536	0	38
	52B2	15.02.10	18.02.10	25.02.10	10	20	20	30	444	0	88
	52B3	08.02.10	15.02.10	18.02.10	10	20	20	30			
Some good Facepack material with early transplanting. Several small plants/curds. Rather open frame. Reasonable curd cover.	cepack mat	erial with ea	ırly transplaı	nting. Severa	al small	lants/cn	ds. Rather	open fra	me. Reason	nable curd	cover.
Syngenta	53A1	08.02.10	18.02.10	04.03.10	24	22	14	29	613	0	11
Arkwright	53A2	11.02.10	22.02.10	03.03.10	20	27	0	23	682	0	0
	53A3	18.02.10	25.02.10	04.03.10	14	83	17	0	641	0	64
	53B1	15.03.10	18.03.10	22.03.10	7	73	13	14	787	0	72
	53B2	08.03.10	15.03.10	22.03.10	14	71	0	53	634	0	0
	53B3	04.03.10	15.03.10	18.03.10	14	83	8	6	641	0	32
Crinkled leaf. Good leaf count, dark green leaf. Slightly open habit. Some good Facepack material. Approx 18% small plants/curds	300d leaf co	ount, dark gr	een leaf. Sli	ghtly open h	abit. Sor	ne good	Facepack r	naterial.	Approx 18%	small pla	nts/curds.
Seminis	54A1	11.02.10	18.02.10	03.03.10	20	81	9	13	871	0	34
RX5697	54A2	11.02.10	18.02.10	03.03.10	20	98	0	14	200	0	0
	54A3	11.02.10	22.02.10	03.03.10	20	92	0	8	705	0	0
	54B1	03.03.10	08.03.10	15.03.10	12	81	0	19	871	0	0
	54B2	03.03.10	08.03.10	15.03.10	12	92	0	8	824	0	0
	54B3	03.03.10	08.03.10	15.03.10	12	92	0	8	705	0	0
Strong growth. Uniform.Good curd cover. Clean leaf. Very good solid Facepack material. Looks very good in tray. Very few defects.	. Uniform.G	ood curd co	ver. Clean le	af. Very goo	d solid F	acepack	material. L	ooks ver	y good in tr	ay. Very fe	w defects.

	TIME (OF PLA	NTING/	TIME OF PLANTING AND SPACING TRIAL	ACIN	G TRI	4			2009 - 10	위	
A plots transplanted 10th July	splanted	10th July			B plots	s transp	B plots transplanted 21st July	Ist July				
	8580/Acre		A2 and B2	A2 and B2 7096/Acre		A3 and B3		6150/Acre				
VARIETY	PLOT	D	CUTTING PERIOD	OD	DAYS	Class	Class	Unmkt	Facepack		Class 2	
						1	2		Class 1			
										Crates/Acre		
		10%	20%	%06		%	%	%	8	9	16	12
Nickerson	51A1	08.02.10	11.02.10	18.02.10	10	64	7	29	689	0	38	0
Zwaan	51A2	18.01.10	08.02.10	15.02.10	28	54	31	15	478	0	136	0
AB 1004	51A3	28.01.10	08.02.10	15.02.10	18	20	20	30	384	0	11	0
	51B1	18.02.10	04.03.10	15.03.10	25	54	œ	38	578	0	41	0
	51B2	22.02.10	04.03.10	08.03.10	14	38	23	39	341	0	102	0
	51B3	25.02.10	04.03.10	08.03.10	11	36	28	36	280	0	105	0
Good Facepack material. Uniform. A few small plants/curds with later transplantings. Pale leaf. Good cover. Medium depth.	k material.	Uniform. A f	ew small pla	ints/curds w	ith later	transplan	tings. Pale	leaf. Goo	d cover. M	edium dept	.h.	
Reasonable leaf cover. Will turn off white if not cut every 3 or 4 days.	af cover. W	ill turn off w	hite if not cu	it every 3 or	4 days.							
Tozer	52A1	25.01.10	28.01.10	08.02.10	14	99	13	31	603	0	29	0
1034	52A2	18.01.10	25.01.10	08.02.10	12	38	23	68	341	0	102	0
	52A3	25.01.10	25.01.10	28.01.10	3	20	17	33	384	0	64	0
	52B1	08.02.10	22.02.10	25.02.10	17	20	7	43	536	0	38	0
	52B2	15.02.10	18.02.10	25.02.10	10	20	20	30	444	0	88	0
	52B3	08.02.10	15.02.10	18.02.10	10	20	20	30				
Some good Facepack material with early transplanting. Several small plants/curds. Rather open frame. Reasonable curd cover.	cepack mat	terial with ea	ırly transpla	nting. Severa	al small	olants/cur	ds. Rather	open fra	ne. Reasol	nable curd	cover.	
Syngenta	53A1	08.02.10	18.02.10	04.03.10	24	25	14	58	613	0	1.2	0
Arkwright	53A2	11.02.10	22.02.10	03.03.10	20	11	0	23	682	0	0	0
	53A3	18.02.10	25.02.10	04.03.10	14	83	17	0	641	0	64	0
	53B1	15.03.10	18.03.10	22.03.10	7	73	13	14	787	0	72	0
	53B2	08.03.10	15.03.10	22.03.10	14	71	0	29	634	0	0	0
	53B3	04.03.10	15.03.10	18.03.10	14	83	80	6	641	0	32	
Crinkled leaf. Good leaf count, dark green leaf. Slightly open habit. Some good Facepack material. Approx 18% small plants/curds.	Sood leaf co	ount, dark g	een leaf. Sli	ghtly open h	abit. Sor	me good I	-acepack r	naterial. A	pprox 18%	small plar	ts/curds.	
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Seminis	24A1	11.02.10	18.02.10	03.03.10	70	81	٥	13	8/1	0	34	0
RX5697	54A2	11.02.10	18.02.10	03.03.10	20	98	0	14	760	0	0	0
	54A3	11.02.10	22.02.10	03.03.10	20	92	0	8	705	0	0	0
	24B1	03.03.10	08.03.10	15.03.10	12	81	0	19	871	0	0	0
	54B2	03.03.10	08.03.10	15.03.10	12	92	0	8	824	0	0	0
	54B3	03.03.10	08.03.10	15.03.10	12	92	0	œ	705	0	0	0
Strong growth. Uniform.Good curd cover. Clean leaf. Very good solid Facepack material. Looks very good in tray. Very few defects.	Uniform.G	ood curd co	ver. Clean le	eaf. Very goo	l solid	acepack	material. L	ooks ver	good in tr	ray. Very fe	w defects.	

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A plots transplanted 10th July

B plots transplanted 21st July A2 and B2 7096/Acre

Class 2 Unmkt Facepack re A3 and B3 6150/Acre Days Class Class Unmkt A1 and B1 8580/Acre VARIETY

VARIETY	PLUI	3	CUITING PERIOD	מנ	DAYS	Class	Class	Unmkt	Unmkt Facepack		Class 2	
						1	2		Class 1			
										Crates/Acre	4	
		10%	20%	%06		%	%	%	8	9	16	12
Tozer	55A1	08.02.10	15.02.10	22.02.10	14	47	20	23	501	0	107	0
1018	55A2	11.02.10	18.02.10	25.02.10	14	20	59	21	443	0	127	0
	55A3	08.02.10	11.02.10	22.02.10	14	63	13	24	480	0	48	0
	55B1	25.02.10	08.03.10	08.03.10	11	31	23	46	330	0	124	0
	55B2	01.03.10	08.03.10	15.03.10	14	31	31	38	273	0	136	0
	55B3	22.02.10	04.03.10	08.03.10	14	40	40	20	308	0	154	0
Some good deep Face	ep Facepac	k material. S	ome small p	pack material. Some small plants/curds. Looks good in tray.	. Looks g	good in tra	ay. Good I	eaf count	Good leaf count. Reasonable curd cover.	le curd cov	rer.	
Seminis	56A1	04.01.10	25.01.10	08.02.10	35	63	9	31	670	0	34	0
Ferminello	56A2	29.12.10	25.01.10	25.01.10	27	20	21	59	443	0	92	0
	56A3	04.01.10	25.01.10	28.01.10	24	54	31	15	414	0	118	0
	56B1	08.02.10	18.02.10	22.02.10	14	43	21	36	460	0	115	0
	56B2	08.02.10	18.02.10	22.02.10	14	38	31	31	341	0	136	0
	56B3											
Some good Facepack		material. Variable curd sizes.	le curd sizes	s. Some fros	t damag	ed curds.	A few sma	all plants/	Some frost damaged curds. A few small plants/curds. Easy to see and cut.	y to see an	d cut.	
Will turn off white if not cut very 2 or 3 days.	ite if not cu	it very 2 or 3	days.									
Fozer	57A1	14.12.09	29.12.09	18.01.10	35	38	25	37	402	0	134	0
1035	57A2	21.12.09	14.01.10	18.01.10	28	20	25	25	443	0	111	0
	57A3	17.12.09	14.01.10	18.01.10	32	20	12	33	384	0	64	0
	57B1	08.02.10	11.02.10	15.02.10	7	20	21	59	536	0	115	0
	57B2	08.02.10	08.02.10	11.02.10	3	42	33	25	370	0	148	0
	57B3	08.02.10	08.02.10	15.02.10	7	20	20	30	407	0	77	0
Open frame. Limited leaf cover. Smallish curds. Easy to see, cut and pack.	mited leaf c	over.Smallis	sh curds. Ea	sy to see, cu	ut and pa	ck. Tende	Tendency to turn off white.	n off whit	te. Lightish curds.	curds.		
Some frost damage to	nage to curds.	ds.										
Fozer	58A1	08.02.10	15.02.10	22.02.10	14	47	20	33	501	0	107	0
1008	58A2	08.02.10	15.02.10	22.02.10	14	20	21	58	536	0	115	0
	58A3	08.02.10	08.02.10	22.02.10	14	28	25	17	448	0	96	0
	58B1	15.02.10	25.02.10	03.03.10	16	22	9	19	804	0	34	0
	58B2	18.02.10	25.02.10	03.03.10	13	69	23	8	614	0	102	0
	58B3	18.02.10	22.02.10	03.03.10	13	29	8	25	513	0	32	0
good solid Facepackmaterial from wider spacing. Some small plants/curds. Reasonable curd cover. Will turn off white.	id Facepac	kmaterial fro	m wider spa	acing. Some	small pl	ants/curd	s. Reason	able curd	cover. Will	turn off w	hite.	

	TIME (OF PLANTING AND SPACING TRIA	NTING /	AND SP	ACIN	G TRI	٦			2009 - 10	10	
A plots transplanted 10th July	splanted	10th July			B plots	transp	B plots transplanted 21st July	st July				
A1 and B1 8	8580/Acre	•	A2 and B2	A2 and B2 7096/Acre	(D)	A3 and B3		6150/Acre				
VARIETY	PLOT	ນ	CUTTING PERIOD	OC	DAYS	Class	Class	Unmkt	Facepack		Class 2	
						1	2		Class 1			
										Crates/Acre		
		10%	20%	%06		%	%	%	8	9	16	12
Seminis	59A1	08.02.10	15.02.10	18.02.10	10	62	23	15	099	0	124	0
Treknow	59A2	08.02.10	08.02.10	15.02.10	7	54	8	38	478	0	34	0
	59A3	08.02.10	11.02.10	15.02.10	7	29	8	25	513	0	32	0
	59B1	01.03.10	04.03.10	08.03.10	7	29	7	56	715	0	36	0
	59B2	25.02.10	03.03.10	08.03.10	11	71	0	29	634	0	0	0
	59B3	18.02.10	25.02.10	03.03.10	13	75	17	8	222	0	64	0
Very good Facepack material. Clean leaf. Solid curds. Some frost damage with early transplantings.	epack mate	erial. Clean le	af. Solid cu	rds. Some fr	ost dam	age with e	early trans	plantings	. Uniform.	Uniform. Easy to see/cut and bag.	/cut and ba	g.
Slightly open habit.	ıabit.											
Tozer	60A1	10.12.09	14.12.09	21.12.09	11	25	36	7	603	0	192	0
1023	60A2	10.12.09	14.12.09	17.12.09	7	46	23	31	409	0	102	0
	60A3	14.12.09	14.12.09	17.12.09	3	09	27	13	461	0	103	0
	60B1	14.12.09	21.12.10	14.01.10	31	20	19	31	536	0	101	0
	60B2	21.12.09	21.12.09	14.01.10	24	22	14	53	202	0	64	0
	60B3	17.12.09	21.12.09	29.12.09	12	28	17	27	448	0	64	0
Tall frame. Wide midrib t	le midrib to	to leaf. Some deep curds.	deep curds.	Tendency to turn off white.	turn off	white. SI	Slight twist to leaf type.	o leaf typ	A few	small plants/curds.	curds.	
Uniform. Some good Fac	good Face	cepack material.	al.									
Clause	61A1	01.02.10	08.02.10	01.03.10	28	81	9	13	871	0	34	0
Tezier	61A2	08.02.10	25.02.10	03.03.10	23	26	21	0	969	0	63	42
Brick	61A3	22.02.10	25.02.10	03.03.10	6	83	8	6	513	171	32	0
	61B1	01.03.10	04.03.10	08.03.10	7	87	13	0	804	178	29	0
	61B2	01.03.10	03.03.10	08.03.10	7	84	8	8	545	273	34	0
	61B3	01.03.10	03.03.10	08.03.10	7	83	8	6	641	0		0
Very good Face	epack mate	erial.Uniform	. Easy to se	e, cut and ba	ig. Good	curd cov	er. Clean le	eaf. Dark	eaf. Very f	Good curd cover. Clean leaf. Dark leaf. Very few defects.		
Quich heading period with later transplantings.	period with	h later transp	plantings.									
Nickerson	62A1	15.02.10	25.02.10	03.03.10	16	87	8	9	626	0	36	0
Zwaan	62A2	08.02.10	15.02.10	01.03.10	21	98	0	14	260	0	0	0
Dionis	62A3	08.02.10	15.02.10	25.02.10	17	82	8	7	650	0	30	0
	62B1	08.03.10	15.03.10	18.03.10	10	93	0	7	1005	0	0	0
	62B2	04.03.10	15.03.10	18.03.10	14	82	0	15	751	0	0	0
	62B3	04.03.10	15.03.10	18.03.10	14	83	0	17	641	0	0	0
Uniform stand. Very good Facepack material. Easy to see, cut and bag. Good quality leaf. Good weight.	Very good	Facepack m	aterial. Eas	y to see, cut	and bag	Good qu	ality leaf. (Good wei	ght.			

		JF PLAI	N I I I I	IME OF PLANTING AND SPACING TRIAL	ACIN N	S IRF			
A plots trai	A plots transplanted 10th July	10th July			B plots	s transpl	B plots transplanted 21st July	st July	
A1 and B1	A1 and B1 8580/Acre		A2 and B2	A2 and B2 7096/Acre	0	A3 and E	A3 and B3 6150/Acre	/Acre	
VARIETY	PLOT	าว	CUTTING PERIOD	ac	DAYS Class		Class	Unmkt Facep	Facep
						1	2		Clas
		40%	%09	%06		%	%	%	8
Tozer	63A1	04.01.10	28.01.10	08.02.10	35	20	21	29	53
1036	63A2	04.01.10	04.01.10 08.01.10	08.02.10	35	28	8	34	51
	63A3	04.01.10	04.01.10 25.01.10 08.02.10	08.02.10	35	22	18	27	41
									ŀ

A1 and B1	8580/Acre		A2 and B2	A2 and B2 7096/Acre	•	A3 and B3		6150/Acre				
VARIETY	PLOT	าว	CUTTING PERIOD	OC.	DAYS	Class	Class	Unmkt	Facepack		Class 2	
						1	2		Class 1			
										Crates/Acre		
		40%	20%	%06		%	%	%	8	9	16	12
Tozer	63A1	04.01.10	28.01.10	08.02.10	35	20	21	58	536	0	115	0
1036	63A2	04.01.10	08.01.10	08.02.10	35	28	8	34	517	0	37	0
	63A3	04.01.10	25.01.10	08.02.10	35	22	18	27	419	0	70	0
	63B1	18.02.10	08.02.10	22.02.10	4	43	14	43	460	0	77	0
	63B2	18.02.10	18.02.10	22.02.10	4	43	14	43	380	0	53	0
	63B3	18.02.10	18.02.10	22.02.10	4	40	30	20	308	0	115	0
Some good Facepack material. Variable plant/curd sizes. Will turn off white if not cut every 3 or 4 days. Lightish curds.	acepack mate	erial. Variab	le plant/curc	sizes. Will t	urn off v	white if no	t cut every	13 or 4 da	ys. Lightis	h curds.		
Clause	64A1	03.03.10	04.03.10	15.03.10	12	81	9	13	871	0	34	0
Tezier	64A2	03.03.10	08.03.01	22.03.10	19	98	0	14	760	0	0	0
Redoutable	64A3	01.03.10	15.03.10	22.03.10	21	83	8	6	641	0	32	0
	64B1	18.03.10	22.03.10	29.03.10	11	73	13	14	715	92	72	0
	64B2	15.03.10	18.03.10	22.03.10	7	64	14	22	570	0	63	0
	64B3	18.03.10	22.03.10	25.03.10	7	83	80	6	641	0	32	0
Deep curds. Well protected. Very good Facepack material. Uniform. Looks good in the tray. Easy to cut and bag	Vell protecter	d. Very good	Facepack r	naterial. Uni	form. Lo	oks good	in the tray	. Easy to	cut and ba	g.		
Better at the first transplanting date.	irst transplar	nting date.										
Syngenta	65A1	15.02.10	25.02.10	04.03.10	17	99	13	31	603	0	29	0
Boulen	65A2	18.02.10	25.02.10	15.03.10	25	22	21	22	202	0	92	0
	65A3	08.02.10	25.02.10	15.03.10	35	67	16	17	513	0	64	0
	65B1	22.03.10	25.03.10	29.03.10	7	46	23	31	495	0	124	0
	65B2	22.03.10	25.03.10	29.03.10	7	20	25	25	443	0	111	0
	65B3	15.03.10	22.03.10	25.03.10	10	28	17	25	448	0	64	0
Some good Facepack material. Some small plants/curds. Will turn off white if not cut every 2 or 3 days. Looks good in tray.	acepack mate	erial. Some	small plants	/curds. Will 1	urn off v	white if no	t cut every	/ 2 or 3 da	ys. Looks	good in tra	у.	
Compact frame and curds.	e and curds.											
Seminis	66A1	08.02.10	25.02.10	04.03.10	24	54	31	15	8/5	0	165	0
Tintagel	66A2	08.02.10	25.02.10	04.03.10	24	22	21	22	209	0	92	0
	66A3	08.02.10	22.02.10	04.03.10	24	28	11	25	448	0	64	0
	66B1	01.03.10	08.03.10	15.03.10	14	75	0	25	804	0	0	0
	66B2	01.03.10	15.03.10	18.03.10	17	29	17	16	591	0	74	0
	66B3	01.03.10	08.03.10	18.03.10	17	58	17	25	384	85	64	0
Good soild curds. Uniform. Good Facepack material. Some leaf scorch on inner whorl of leaves. Better at later transplanting	rds. Uniform	. Good Face	pack materi	al. Some lea	fscorch	on inner	whorl of le	aves. Be	tter at later	transplanti	ing.	

## 6150/Acre ass		TIME	OF PLANTING AND SPACING TRIAL	NTING /	AND SP	ACIN	G TRI	7			2009 - 10	10	
Mathematical National Part Mathematical N	A plots tran	splanted	10th July			B plots	transp	anted 2	st July				
Column C		8580/Acre	0	A2 and B2	2 7096/Acre	ø.	A3 and	B3 6150)/Acre				
is 67A1	VARIETY	PLOT	כֿ	JTTING PERIC	SD		Class	Class	Unmkt	Facepack		Class 2	
10% 50% 90% % % % % % % 6 6 16 16							1	2		Class 1			
10% 50% 90% 9% % % % % % 8 6 16											Crates/Acre	1	
Section Sect			10%	20%	90%		%	%	%	∞	9	16	12
67A2	Seminis	67A1											
67783 67782	5738	67A2											
67/B2 F/R2		67A3											
6782 Strict Str		67B1											
FGRS Flot not planted.		67B2											
Plot not planted		67B3											
Feb Fight Fig. 02.10 Gig. 03.03.10 Gig. 3.03.10 Gig. 3			Plot not pla	nted.									
Separate 15,02,10 03,03,10 08,03,10 21 60 27 13 644 0 143 180 180 18,03,10 35 73 18 9 645 0 81 180 180 18,03,10 28,													
SeA2 1102.10 03.03.10 18.03.10 355 73 18 9 645 0 81 SeB2 1102.10 03.03.10 15.03.10 25.02.10 15.03.10 25.02.10 25.02.10 25.03.10 25.0	Elsoms	68A1	15.02.10	03.03.10	08.03.10	21	09	27	13	644	0	143	0
68A3 1502.10 25.02.10 15.03.10 28 83 8 9 641 0 32 68B5 04.03.10 18.03.10 29.03.10 25 75 75 73 89 67 68B5 15.03.10 22.03.10 22.03.10 25.03.10 25 75 75 77 89 67 68B5 15.03.10 22.03.10 22.03.10 29.03.10 7 89 77 0 64 68B5 25.03.10 22.03.10 22.03.10 29.03.10 7 89 7 7 89 67 69B4 22.03.10 22.03.10 22.03.10 29.03.10 7 89 7 7 80 80 69B4 22.03.10 22.03.10 22.03.10 29.03.10 7 88 7 7 760 0 32 69B5 22.03.10 22.03.10 20.03.10 7 88 7 7 760 0 32 69B5 22.03.10 22.03.10 29.03.10 7 88 7 7 760 0 32 69B5 25.03.10 01.04.10 05.04.10 11 87 0 138 858 95 0 69B5 25.03.10 22.03.10 22.03.10 22.03.10 29.03.10 11 87 0 138 858 95 0 69B5 25.03.10 22.03.1	Medaillon	68A2	11.02.10	03.03.10	18.03.10	35	73	18	6	645	0	81	0
68B2 15,0310 22,0310 26,0310 14 79 7 14 697 0 32 68B2 15,0310 22,0310 29,03.10 14 79 7 14 697 0 32 68B2 15,0310 18,03.10 29,03.10 29,03.10 29,03.10 18,03.10 29,03.10		68A3	15.02.10	25.02.10	15.03.10	28	83	8	6	641	0	32	0
68B2 15.03.10 22.03.10 29.03.10 25 75 75 14 697 0 32 68B3 04.03.10 18.03.10 29		68B1	04.03.10	18.03.10	29.03.10	25	75	13	12	737	88	29	0
curds. Good leaf protection. Good Facepack material. A few off white curds. Good leaf protection. Good Facepack material. A few off white curds. Uniform. Easy to see, cut and bag. 75 75 17 8 577 0 64 et 69A1 22.03.10 29.03.10 29.03.10 7 100 0 804 358 0 et 69A2 22.03.10 29.03.10 7 92 0 8 384 427 0 et 69B2 22.03.10 25.03.10 29.03.10 7 92 0 8 384 427 0 et 69B2 22.03.10 25.03.10 25.03.10 7 7 7 760 0 32 et 69B2 29.03.10 05.04.10 11 87 0 88 36 0 32 et 69B2 29.03.10 05.04.10 11 86 7 7 760 0 32 m. Dark leaf. Tight wrapper leaf over curds. Few defects. Pale inner leaf. Looks good in tray. Some large curds.		68B2	15.03.10	22.03.10	29.03.10	14	79	2	14	269	0	32	0
Curds. Good leaf protection. Good Facepack material. A few off white curds. Uniform. Easy to see, cut and bag. e 69A1 22.03.10 29.03.10 7 100 0 804 358 0 e 69A2 22.03.10 29.03.10 7 100 0 69A 32 pt 69B2 22.03.10 29.03.10 7 93 7 0 69A 427 0 69B2 22.03.10 29.03.10 05.04.10 11 87 0 83 384 427 0 69B2 29.03.10 01.04.10 05.04.10 11 87 0 13 858 95 0 69B2 29.03.10 01.04.10 05.04.10 11 86 7 7 760 0 32 69B3 25.03.10 01.04.10 05.04.10 11 92 8 0 705 0 32 m. Dark leaf. Tight wrapper leaf over curds. Few defects. Pale inner leaf. Looks good 17 7		68B3	04.03.10	18.03.10	29.03.10	25	75	17		277	0	64	0
e 69A1 22.03.10 22.03.10 28.03.10 7 100 0 804 358 0 c 69A2 22.03.10 22.03.10 29.03.10 29.03.10 7 92 0 804 358 0 c 69A3 22.03.10 22.03.10 29.03.10 7 92 0 8 384 427 0 69B2 22.03.10 29.03.10 05.04.10 7 86 7 7 760 0 32 m. Dark leaf Tight wrapper leaf 04.03.10 05.04.10 11 87 0 67 0 32 m. Dark leaf Tight wrapper leaf over curds. Few defects. Pale inner leaf. Looks good in tray. Some large curds. 32 36 38 70A2 11.03.10 22.03.10 25.03.10 25.03.10 14 7 689 306 38 70A2 11.03.10 22.03.10 22.03.10 22.03.10 12.04.10 17 94 0 629	Tight curds. G	ood leaf pro	otection. God	od Facepack	material. A	few off w	hite curd	s. Uniform		see, cut ar	ıd bag.		
e 69A1 22.03.10 29.03.10 7 100 0 804 358 0 t 69A2 22.03.10 25.03.10 29.03.10 7 92 0 697 169 32 t 69A2 22.03.10 25.03.10 29.03.10 7 92 0 8 384 427 0 69B1 25.03.10 22.03.10 05.04.10 7 86 7 7 760 0 32 69B2 25.03.10 01.04.10 05.04.10 7 86 7 7 760 0 32 m. Dark leaf Tight wrapper leaf over curds. Few defects. Pale inner leaf. Looks good in tray. Some large curds. 32 32 m. Dark leaf 10A1 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10 25.03.10													
e 69A1 22.03.10 22.03.10 29.03.10 7 100 0 804 358 0 ot 69A2 22.03.10 22.03.10 29.03.10 7 93 7 0 697 169 32 ot 69A3 22.03.10 22.03.10 29.03.10 7 92 0 8 384 427 0 69B1 22.03.10 22.03.10 0.50.4.10 11 87 0 13 858 95 0 32 69B2 29.03.10 0.10.4.10 0.50.4.10 11 86 7 7 760 0 32 m. Dark leaf 19g1 86 7 7 760 0 32 m. Dark leaf 19g1 86 7 7 760 0 32 m. Dark leaf 19g1 96 7 7 689 36 9 m. Dark leaf 19g1 100 0 0													
ot 69A2 22.03.10 25.03.10 29.03.10 7 93 7 0 697 169 32 ot 69A3 22.03.10 25.03.10 29.03.10 7 92 0 8 384 427 0 0 69B4 25.03.10 29.03.10 05.04.10 11 87 0 13 858 95 0 0 69B2 29.03.10 01.04.10 05.04.10 11 87 7 760 0 32 0 m. Dark leaf 29.03.10 01.04.10 05.04.10 11 86 7 7 760 0 32 m. Dark leaf 190 10 10 10 10 10 10 10 32 m. Dark leaf 190 10 10 10 10 10 10 32 m. Dark leaf 190 10 10 10 10 10 10 32	Clause	69A1	22.03.10	22.03.10	29.03.10	7	100	0	0	804	358	0	0
69A3 22.03.10 29.03.10 7 92 0 8 384 427 0 69B1 25.03.10 29.03.10 05.04.10 11 87 0 13 858 95 0 69B2 29.03.10 01.04.10 05.04.10 11 87 0 7 7 760 0 32 m. Dark leaf 25.03.10 01.04.10 05.04.10 11 92 8 0 705 0 32 m. Dark leaf Tight wrapper leaf over curds. Few defects. Pale inner leaf Looks good in tray. Some large curds. 32 9 0 32 70A1 04.03.10 22.03.10 25.03.10 25.03.10 21 86 7 7 689 306 38 70A2 11.03.10 22.03.10 29.03.10 18 79 14 7 689 10 6 70A3 22.03.10 20.31.0 29.03.10 10.04.10 10.04.10	Tezier	69A2	22.03.10	25.03.10	29.03.10	7	93	7	0	697	169	32	0
69B2 29.03.10 01.04.10 05.04.10 7 86 7 7 760 0 32 32 m. Dark leaf. Tight wrapper leaf over curds. Few defects. Pale inner leaf. Looks good in tray. Some large curds.	Matelot	69A3	22.03.10	22.03.10	29.03.10	7	92	0	8	384	427	0	0
69B2 29.03.10 01.04.10 05.04.10 11 92 8 7 7 760 0 32 32 m. Dark leaf. Tight wrapper leaf over curds. Few defects. Pale inner leaf. Looks good in tray. Some large curds.		69B1	25.03.10	29.03.10	05.04.10	11	87	0	13	828	96	0	0
fe9B3 25.03.10 01.04.10 05.04.10 11 92 8 0 705 0 32 rm. Dark leaf. Tight wrapper leaf over curds. Few defects. Pale inner leaf. Looks good in tray. Some large curds. 70. Dark leaf. Tight wrapper leaf over curds. Few defects. Pale inner leaf. Looks good in tray. Some large curds. 0 70 32 38		69B2	29.03.10	01.04.10	05.04.10	7	86	7	7	760	0	32	0
rm. Dark leaf. Tight wrapper leaf over curds. Few defects. Pale inner leaf. Looks good in tray. Some large curds. 70A1 70A2 11.03.10 22.03.10 29.03.10 18 79 14 7 697 0 63 85 10 10 10 10 10 10 10 1		69B3	25.03.10	01.04.10	05.04.10	11	92	8	0	202	0	32	0
70A1 04.03.10 22.03.10 25.03.10 21 86 7 7 689 306 38 70 63 70A2 11.03.10 22.03.10 29.03.10 70B3 14 7 697 0 63 70B3 22.03.10 22.03.10 21.04.10 12.04.10 17.082 22.03.10 25.03.10 12.04.10 12.04.10 21 82 0 8 819 0 0 10 17.083 22.03.10 12.04.10 12.04.10 21 82 0 18 629 0 0 10 17.083 22.03.10 12.04.10 12.04.10 21 82 0 18 629 0 10 10 11.04.10 12.04.1	Uniform. Dark	-	wrapper leaf	over curds.		. Pale in	ner leaf. L	ooks goo	d in tray.	Some large	curds.		
70A1 04.03.10 22.03.10 25.03.10 21 86 7 7 689 306 38 38 70A2 11.03.10 22.03.10 29.03.10 18 79 14 7 697 0 63 63 70B3 22.03.10 22.03.10 29.03.10 70B2 22.03.10 25.03.10 25.03.10 21.04.10 12.04.10 12.04.10 21 82 0 8 819 0 0 10 170B2 22.03.10 25.03.10 12.04.10 21 82 0 18 629 0 0 10 170B3 22.03.10 25.03.10 12.04.10 21 82 0 18 629 0 10 10 10 12.04.1													
70A1 04.03.10 22.03.10 25.03.10 21 86 7 7 689 306 38 38 38 30 30A2 11.03.10 22.03.10 29.03.10 18 79 14 7 697 0 63 63 8 38 38 39 30A2 11.03.10 22.03.10 22.03.10 29.03.10 17.041 17 94 0 6 1005 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
70A2 11.03.10 22.03.10 29.03.10 18 79 14 7 697 0 63 63 70A2 11.03.10 22.03.10 22.03.10 22.03.10 7.08.04.10 17 94 0 6 70 8 819 0 0 70B2 22.03.10 25.03.10 12.04.10 21 82 0 8 819 0 0 70B2 22.03.10 25.03.10 12.04.10 21 82 0 18 819 0 0 1 8 819 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tozer	70A1	04.03.10	22.03.10	25.03.10	21	86	7	7	689	306	38	0
22.03.10 22.03.10 29.03.10 7 100 0 629 186 0 22.03.10 01.04.10 08.04.10 17 94 0 6 1005 0 0 22.03.10 25.03.10 12.04.10 21 92 0 8 819 0 0 22.03.10 05.04.10 12.04.10 21 82 0 18 629 0 0 00d Facepack material. A few small curds. Dark greenclean leaf. Easy to see, cut and bag. Few defects.	2038	70A2	11.03.10	22.03.10	29.03.10	18	79	14	7	269	0	63	0
22.03.10 01.04.10 08.04.10 17 94 0 6 1005 0 0 22.03.10 25.03.10 12.04.10 21 92 0 8 819 0 0 22.03.10 05.04.10 12.04.10 21 82 0 18 629 0 0 ood Facepack material. A few small curds. Dark greenclean leaf. Easy to see, cut and bag. Few defects.		70A3	22.03.10	22.03.10	29.03.10	7	100	0	0	629	186	0	0
22.03.10 25.03.10 12.04.10 21 92 0 8 819 0 0 22.03.10 05.04.10 12.04.10 21 82 0 18 629 0 0 ood Facepack material. A few small curds. Dark greenclean leaf. Easy to see, cut and bag. Few defects.		70B1	22.03.10	01.04.10	08.04.10	17	94	0	9	1005	0	0	0
22.03.10 05.04.10 12.04.10 21 82 0 18 629 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		70B2	22.03.10	25.03.10	12.04.10	21	92	0	8	819	0	0	0
Open frame. Some very good Facepack material. A few small curds. Dark greenclean leaf. Easy to see, cut and bag. Few defects.		70B3	22.03.10	05.04.10	12.04.10	21	82	0	18	629	0	0	0
	Open frame.Sc	ome very go	od Facepac	k material. A	few small c	urds. Da	rk greenc	ean teaf.	Easy to s	ee, cut and	bag. Few or	defects.	

TIME OF PLANTING AND SPACING TRIAL A plots transplanted 10th July B plots transplant

B plots transplanted 21st July

A2 and B2 7096/Acre A1 and B1 8580/Acre

A3 and B3 6150/Acre

VARIETY	PLOT	ರ	CUTTING PERIOD	gc	DAYS Class		Class	Unmkt	Facepack		Class 2	
						П	2		Class 1			
										Crates/Acre		
		10%	50%	%06		%	%	%	8	9	16	12
yngenta	71A1	18.02.10	04.03.10	08.03.10	18	28	7	9	858	95	36	0
anten	71A2	18.02.10	03.03.10	15.03.10	25	85	∞	7	750	0	34	0
	71A3	15.02.10	25.02.10	04.03.10	17	75	80	17	277	0	32	0
	71B1	15.03.10	22.03.10	25.03.10	10	81	9	13	871	0	34	0
	7182	11.03.10	18.03.10	25.03.10	14	79	7	14	269	0	32	0
	71B3	11.03.10	18.03.10	25.03.10	14	75	80	17	577	0	32	0
niform. Easy to see, cut and bag. Clean leaf. Good curd cover. Very good Facepack material. Looks	to see, cut	and bag. Cle	an leaf. Goo	od curd cove	er. Very g	ood Face	ack mate	rial. Look	s good in tray.	ray.		
lause	72A1	08.03.10	15.03.10	22.03.10	14	81	13	9	871	0	34	45
ezier	72A2	03.03.10	15.03.10	18.03.10	15	92	0	8	824	0	0	0
leet	72A3	03.03.10	04.03.10	15.03.10	12	92	0	80	705	0	0	0
	72B1	18.03.10	22.03.10	29.03.10	11	79	9	15	804	68	34	0
	72B2	18.03.10	22.03.10	29.03.10	11	100	0	0	824	84	0	0
	72B3	18.03.10	22.03.10	29.03.10	11	85	80	0	705	0	32	0
ery Uniform. Slightly crinkled leaf over curds. Clean leaf. Very	Slightly crin	ikled leaf ov	er curds. Cl	ean leaf. Ver	ry good F	good Facepack material. Few defects	naterial, F	ew defect	S.			
ickerson	73A1	15.03.10	22.03.10	22.03.10	7	88	9	9	804	179	0	45
waan	73A2	08.03.10	22.03.10	22.03.10	14	92	8	0	760	84	0	42
B1036	73A3	04.03.10	11.03.10	22.03.10	18	82	0	8	577	171	0	0
	73B1	18.03.10	22.03.10	25.03.10	7	92	9	19	804	0	34	0
	73B2	18.03.10	22.03.10	25.03.10	7	1.2	7	22	634	0	32	0
	73B3	18.03.10	22.03.10	22.03.10	4	92	0	8	705	0	0	0
ery good Facepack material. Slightly crinkled leaf type. Good curd cover. Dark green leaf. Very uniform. Easy to cut and bag.	pack mater	rial. Slightly	crinkled lea	of type. Goo	d curd co	over. Dark	green leaf	f. Very un	iform. Easy	y to cut and	bag.	
ozer	74A1	15.04.10	19.04.10	22.04.10	2	81	9	13	871	0	34	0
063	74A2	15.04.10	19.04.10	26.04.10	11	6/	0	21	269	0	0	0
	74A3	15.04.10	19.04.10	22.04.10	7	83	8	6	641	0	32	0
	74B1	15.04.10	26.04.10	26.04.10	11	64	14	22	689	0	77	0
	74B2	19.04.10	26.04.10	26.04.10	7	8/	7	15	697	0	32	0
	74B3	19.04.10	22.04.10	26.04.10	2	83	8	6	641	0	32	0
ery large frame. Very uniform. Easy to see, cut and pack.	e.Very unif	orm. Easy to	o see, cut an	id pack.	Clean lea	Clean leaf. Good curd protection.	ird protecti	on,				

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TIME OF PLANTING

A plots transplanted 10th July

A1 and B1 8580/Acre

B plots transplanted 21st July

A2 and B2 7096/Acre A3 and B3 6150/Acre

64 0 Difficult to see well protected curds. Uniform. Few defects. Paler inner leaf. Slightly wide base to curds. Large curds from wide spacing. iniform. Very good Facepack material. Easy to see, cut and bag. Slightly pale green leaf. Looks very good in tray. Very few defects. Class 2 88 63 32 33 32 33 33 34 32 섫 Crates/Acre Some good solid curds. Good Facepack material. Some small plants/curds. Performed better with later transplantings. 513 256 0 85 0 84 171 84 ery good Facepack material. Uniform. Looks very good in the tray. Easy to see, cut and bag. Very few defects. Facepack Class 1 705 858 938 689 705 577 938 513 824 192 938 513 930 641 760 697 69 697 Unmkt 12 5 2 5 3 4 8 9 15 7 Class 0 ဖ မ ∞ % 88 83 Class 88 % 84 92 8 2 92 86 82 83 83 92 83 92 22 87 87 DAYS 4 9 8 4 7 4 01.04.10 01.04.10 08.04.10 05.04.10 05.04.10 18.03.10 22.03.10 29.03.10 18.03.10 05.04.10 29.03.10 29.03.10 05.04.10 05.04.10 08.04.10 05.04.10 01.04.10 18.03.10 05.04.10 05.04.10 %06 **CUTTING PERIOD** 29.03.10 29.03.10 Easy to see, cut and bag. Reasonable curd cover 18.03.10 15.03.10 22.03.10 22.03.10 01.04.10 29.03.10 15.03.10 18.03.10 22.03.10 29.03.10 01.04.10 29.03.10 18.03.10 15.03.10 29.03.10 01.04.10 29.03.10 01.04.10 22.03.10 22.03.10 01.04.10 20% 22.03.10 29.03.10 25.03.10 15.03.10 04.03.10 29.03.10 22.03.10 15.03.10 22.03.10 18.03.10 15.03.10 22.03.10 29.03.10 22.03.10 15.03.10 22.03.10 04.03.10 15.03.10 25.03.10 25.03.10 10% PLOT 75A3 76A2 76A3 76B2 77A3 78A2 78A3 75A2 75B1 75B2 75B3 76A1 76B1 76B3 77A2 77B2 77B3 78B2 77B1 78B1 75A1 78A1 VARIETY Syngenta Syngenta Mascaret Broden Clemen Clause Frewint Sminis **Fezier**

TRIAL
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PLANTIN
TIME OF PLANTING

A plots transplanted 10th July
A1 and B1 8580/Acre A2 and B2 7096/A

luly B plots transplanted 21st July A2 and B2 7096/Acre A3 and B3 6150/Acre

VARIETY	PLOT	าว	CUTTING PERIOD	QC	DAYS Class	Class	Class	Unmkt	Facepack		Class 2	
l						-	2		Class 1			
										Crates/Acre	6	
		10%	20%	90%		%	%	%	8	9	16	12
	79A1	22.03.10	29.03.10	05.04.10	14	73	13	14	787	0	143	0
	79A2	18.03.10	22.03.10	29.03.10	11	93	0	7	602	0	0	0
	79A3	18.03.10	22.03.10	25.03.10	7	100	0	0	69/	0	0	0
	79B1	29.03.10	05.04.10	08.04.10	10	22	13	12	804	0	34	0
	79B2	25.03.10	29.03.10	05.04.10	11	71	14	15	634	0	63	0
	79B3	22.03.10	29.03.10	05.04.10	14	75	6	16	513	85	32	0
uick	heading. N	Uniform. Quick heading. Needs cutting every 3 days or will turn off white. Looks good in tray. Good Facepack material	g every 3 day	ys or will tur	n off wh	ite. Looks	good in to	ay. Good	Facepack	material.		
	80A1	01.04.10	05.04.10	08.04.10	7	100	0	0	1072	0	0	0
	80A2	05.04.10	05.04.10	08.04.10	3	93	0	7	824	0	0	0
	80A3	01.04.10	01.04.10	08.04.10	7	83	8	6	641	0	32	0
	80B1	05.04.10	12.04.10	15.04.10	10	75	19	9	804	0	101	0
	80B2	05.04.10	12.04.10	15.04.10	10	02	8	22	614	0	34	0
	80B3	05.04.10	12.04.10	15.04.10	10	92	8	11	27.2	0	32	0
xcell	ent Facepa	Uniform. Excellent Facepack material. Easy to see, cut and pack. Good weight. Looks very good in tray. Clean leaf.	Easy to see	, cut and pa	ck. Gooc	l weight. I	ooks very	good in	ray. Clean	leaf.		
e cur	ds with late	A few loose curds with later transplantings.	tings.									
	81A1	22.03.10	29.03.10	08.04.10	17	28	0	13	930	0	0	0
	81A2	22.03.10	29.03.10	29.03.10	7	93	0	7	824	0	0	0
	81A3	22.03.10	29.03.10	05.04.10	14	100	0	0	769	0	0	0
	81B1	29.03.10	05.04.10	15.04.10	17	75	13	12	804	0	29	0
	81B2	29.03.10	05.04.10	12.04.10	14	92	8	0	819	0	34	0
	81B3	29.03.10	05.04.10	12.04.10	14	83	8	6	277	85	32	0
acer	oack materi	Excellent Facepack material. Easy to see, cut and bag. Uniform. Good clean leaf. Very few defects.	ee, cut and	bag. Uniforn	n. Good	clean leaf	. Very few	defects.				
e cur	ds with wic	Some large curds with wider spacing.										
	82A1											
	82A2		EMPTY PLOT	Ţ								
	82A3											
	82B1											
	82B2											
	82B3											

	TIME (OF PLA	NTING /	TIME OF PLANTING AND SPACING TRIAL	ACIN	G TRI	4			2009 - 10	10	
A plots transplanted 10th July A1 and B1 8580/Acre	splanted 1 8580/Acre	10th July	A2 and B'	E A2 and B2 7096/∆cre	B plots	s transplant		ed 21st July				
	PLOT		CUTTING PERIOD	0000	DAYS	Class		Unmkt	Facenack		Class 2	
						-	2		Class 1			
										Crates/Acre	П	
		40%	20%	%06		%	%	%	8	9	16	12
Clause	83A1	25.03.10	05.04.10	08.04.10	14	93	0		938	68	0	0
Tezier	83A2	29.03.10	01.04.10	05.04.10	7	35	0	8	697	169	0	0
Marsouin	83A3	25.03.10	29.03.10	01.04.10	7	83	0	17	513	171	0	0
	83B1	05.04.10	08.04.10	12.04.10	7	75	9	19	603	268	0	45
	83B2	05.04.10	05.04.10	12.04.10	7	62	0	21	317	206	0	0
	83B3	29.03.10	05.04.10	05.04.10	7	83	0	17	577	85	0	0
Tight twisted leaf over curds. Well protected. Slightly wide base to curds. Uniform. Paler inner leaf. Few defects.	eaf over cur	ds. Well pro	tected. Slig	htly wide bas	se to cur	ds. Unifor	m. Paler iı	nner leaf.	Few defect	S.		
Not easy to see curds. Some large curds at the wider spacing.	e curds. So	me large cu	ds at the wi	der spacing.								
Elsoms	84A1	25.03.10	29.03.10	08.04.10	14	94	0	9	1005	0	0	0
Madiot	84A2	29.03.10	05.04.10	08.04.10	10	6/	7	14	269	0	32	0
	84A3	22.03.10	29.03.10	05.04.10	14	74	8	18	577	0	0	73
	84B1	01.04.10	08.04.10	12.04.10	11	69	9	25	737	0	34	0
	84B2	29.03.10	05.04.10	12.04.10	14	85	15	0	760	0	83	0
	84B2	29.03.10	05.04.10	12.04.10	14	83	8	6	641	0	32	0
Uniform. Easy to see, cut and bag. Very good Facepack material. Clean leaf. Looks good in tray. Very few defects.	to see, cut	and bag. Ve	ry good Fac	epack mater	ial. Clear	n leaf. Loc	ks good ii	n tray. Ve	y few defe	cts.		
Some loose curds with later harvests in mid April.	urds with lat	ter harvests	in mid April									
Syngenta	85A1	08.04.10	15.04.10	15.04.10	7	88	0	12	938	0	0	0
Danden	85A2	08.04.10	15.04.10	15.04.10	7	92	0	80	818	0	0	0
	85A3	25.03.10	05.04.10	15.04.10	21	92	0	∞	705	0	0	0
	85B1	08.04.10	15.04.10	19.04.10	11	81	0	19	871	0	0	0
	85B2	01.04.10	12.04.10	15.04.10	14	92	0	8	818	0	0	0
	85B3	15.04.10	15.04.10	19.04.10	4	83	0	17	641	0	0	0
Very leafy. Goood Facepack material. Uniform. Dark green leaf. Looks good in tray. Very few defects. Good weight.	ood Facepa	ck material.l	Jniform. Dai	rk green leaf	Looks	good in tra	ay. Very fe	w defects	. Good wei	ght.		
Elsoms	86A1	25.03.10	05.04.10	08.04.10	14	63	25	12	029	0	134	0
Mystique	86A2	05.04.10	12.04.10	12.04.10	7	62	23	15	246	0	102	0
	86A3	22.03.10	05.04.10	08.04.10	17	83	0	17	641	0	0	0
	86 B 1	05.04.10	12.04.10	15.04.10	10	75	19	9	804	0	101	0
	86B2	05.04.10	12.04.10	15.04.10	10	7.1	14	15	634	0	63	0
	86B3	05.04.10	12.04.10	15.04.10	10	75	0	25	577	0	0	0
Small frame. Short leaves. Slightly wide base to curds. Good Facepack material. Tendency to turn off white if not cut every 3 days.	short leaves.	. Slightly wic	de base to c	urds. Good F	acepac	k material.	. Tendency	to turn o	off white if r	not cut eve	ry 3 days.	

A plots transplanted 10th July A and B1 8580/Acre A2 and B2 7096/Acre A3 and B3

B plots transplanted 21st July e A3 and B3 6150/Acre

VARIETY	PLOI	2	CHITTING DEDICA	TTING DEDICO	DAVE	בוט מוומ מע	- 1 (200000		_	,	
			THE LINE	5		Cidss	cidss	OUTHER	гасераск		Class 2	
						-	2		Class 1			
										Crates/Acre		
		10%	20%	%06		%	%	%	8	9	16	12
Nickerson	87A1	05.04.10	15.04.10	15.04.10	10	81	0	19	871	0	0	0
Zwaan	87A2	05.04.10	08.04.10	15.04.10	10	11	15	ω	682	0	89	0
Kernis	87A3	29.03.10	08.04.10	15.04.10	17	83	80	6	641	0	32	0
	87B1	15.04.10	19.04.10	19.04.10	4	31	20	19	335	0	268	0
	87B2	15.04.10	15.04.10	19.04.10	4	20	53	27	177	0	237	0
	87B3	12.04.10	15.04.10	19.04.10	2	29	25	80	513	0		0
Very good Facepack material from earlier transplantings. Solid curds. Uniform. Slightly creamy. Easy to see, cut and bag.	spack mate	rial from ear	lier transpla	ıntings. Solid	d curds.	Uniform.	Slightly cre	amy. Eas	sy to see, c	ut and bag		
Few defects. Later transplantings produced some ricey and loose curds.	ater transpl	antings pro	duced some	ricey and lo	ose curc	ls.						
Elsoms	88A1	29.03.10	29.03.10	05.04.10		63	0	7	1001	0	0	0
Isadora	88A2	22.03.10	29.03.10	01.04.10	10	93	0	7	824	0	0	0
	88A3	29.03.10	01.04.10	08.04.10	10	69	15	16	532	0	59	0
	88B1	08.04.10	12.04.10	15.04.10	2	94	0	9	737	358	0	0
	88B2	08.04.10	12.04.10	15.04.10	7	98	0	14	610	296	0	0
	88B3	08.04.10	12.04.10	15.04.10	7	83	8	9	640	0	32	0
Slightly crinkled leaf. Very uniform. Very good Facepack material. Easy to see, cut and bag. Looks very good in tray.	d leaf. Very	uniform. Ve	ery good Fac	epack mater	rial. Easy	/ to see, c	ut and bag	. Looks v	ery good i	n tray.		
Medium depth curds.	curds.											
Elsoms	89A1	15.04.10	22.04.10	26.04.10	11	69	19	12	737	0	101	0
Vogue	89A2	15.04.10	19.04.10	26.04.10	11	6/	7	14	269	0	32	0
	89A3	19.04.10	22.04.10	26.04.10	7	92	0	8	705	0	0	0
	89B1	22.04.10	26.04.10	26.04.10	4	28	7	9	026	0	36	0
	89B2	22.04.10	26.04.10	26.04.10	4	83	8	9	682	0	37	0
	89B3	22.04.10	26.04.10	26.04.10	4	83	0	17	149	0	0	0
Large leaf. Slightly curly leaf type. Uniform. Light/medium weight curds.	htly curly le	eaf type. Uni	form. Light/r	nedium weig	ght curds	s. Looks ç	good in tra	y. Good F	Looks good in tray. Good Facepack material.	naterial.		
Will turn off white if not cut every 3 days.	ite if not cu	ıt every 3 da	ys.									
Nickerson	90A1	05.04.10	15.04.10	22.04.10	17	80	0	20	289	0	0	0
Zwaan	90A2	08.04.10	15.04.10	19.04.10	11	86	0	14	092	0	0	0
Vedis	90A3	08.04.10	15.04.10	19.04.10	11	75	0	25	217	0	0	0
	90B1	15.04.10	19.04.10	26.04.10	11	88	0	12	946	0	0	0
	90B2	15.04.10	19.04.10	26.04.10	7	92	0	8	634	253	0	0
	90B3	15.04.10	19.04.10	26.04.10	7	83	80	6	641	0	32	0
Very good Facepack material. Uniform. Tight wrapper leaves over curds. Paler inner leaf. Few defects.	spack mate	rial. Uniform	. Tight wrap	per leaves o	over curd	s. Paler in	ner leaf. F	ew defec	ts. Good w	Good weight. Clean leaf.	n leaf.	

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A plots transplanted 10th July
A1 and B1 8580/Acre
A2 and B2 7096

B plots transplanted 21st July

A2 and B2 7096/Acre A3 and B3 6150/Acre

					•	DI COL	3	200				
VARIELY	PLOI	ಶ	CULTING PERIOD	OC	DAYS	Class	Class	Unmkt	Facepack		Class 2	
						1	2		Class 1	•		
										Crates/Acre		
		10%	20%	%06		%	%	%	8	9	16	12
Elsoms	91A1	08.04.10	15.04.10	23.04.10	15	64	25	11	689	0	115	0
Tempest	91A2	08.04.10	12.04.10	15.04.10	7	79	14	7	269	0	63	0
	91A3	08.04.10	12.04.10	22.04.10	14	58	25	17	448	0	96	0
	91B1	15.04.10	19.04.10	22.04.10	7	63	19	18	670	0	101	0
	9182	15.04.10	19.04.10	19.04.10	4	92	0	8	823	0	0	0
	91B3	15.04.10	15.04.10	19.04.10	4	92	0	œ	705	0	0	0
Good Facepack material. Slightly crinkled leaf. Easy to see, cut and pack. A few ricey curds. Better at the wider spacing.	k material.	Slightly crin	rled leaf. Ea	sy to see, cu	ıt and pa	ck. A few	ricey curd	s. Better	at the wide	r spacing.		
Will turn off white if not cut every 3 days.	hite if not c	ut every 3 da	ays.									
Syngenta	92A1	05.04.10	15.04.10	19.04.10	14	98	14	0	613	409	22	0
Charif	92A2	05.04.10	08.04.10	15.04.10	10	92	0	80	824	0	0	0
	92A3	05.04.10	08.04.10	15.04.10	10	100	0	0	692	0	0	0
	92B1	15.04.10	19.04.10	24.04.10	6	88	0	12	938	0	0	0
	92B2	15.04.10	19.04.10	22.04.10	7	88	0	12	776	0	0	0
	92B3	15.04.10	15.04.10	22.04.10	7	92	0	8	705	0	0	0
Prominemt vein to leaf. Slightly pointed leaf. Slightly wide base to solid curds. Some large curds. Very good Facepack material	n to leaf. SI	ightly pointe	d leaf. Sligh	itly wide bas	e to solic	curds. S	ome large	curds. Ve	ery good Fa	acepack ma	aterial.	
Elsoms	93A1	12.04.10	15.04.10	15.04.10	3	22	13	12	737	68	34	83
Invicta	93A2	12.04.10	15.04.10	15.04.10	3	100	0	0	721	222	0	0
	93A3	08.04.10	12.04.10	15.04.10	7	71	7	22	549	0	27	0
	93B1	15.04.10	15.04.10	19.04.10	4	81	13	9	871	0	29	0
	93B2	15.04.10	19.04.10	19.04.10	4	64	21	15	202	84	98	0
	93B3	12.04.10	15.04.10	19.04.10	7	75	17	80	577	0	64	0
Large frame. Uniform. Good Facepack material. A few loose off white curds with later transplantings.	niform. God	od Facepack	material. A	few loose or	f white c	urds with	later trans	splanting	s. Clean lea	Clean leaf. Looks good in tray	ood in tray.	
Syngenta	94A1	19.04.10	26.04.10	26.04.10	7	81	12	7	871	0	29	0
CFL 4717	94A2	19.04.10	22.04.10	26.04.10	7	79	7	14	697	0	32	0
	94A3	08.04.10	12.04.10	15.04.10	7	71	7	22	549	0	27	0
	94B1	19.04.10	22.04.10	26.04.10	7	73	7	14	697	0	32	0
	94B2	19.04.10	26.04.10	26.04.10	7	64	21	15	220	0	96	0
	94B3	12.04.10	15.04.10	19.04.10	7	75	16	6	577	0	64	0
Fairly uniform. Easy to see, cut and pack. Light curds. Reasonable curd cover. Good Facepack material. Needs cutting every 3 days	Easy to se	e, cut and pa	ick. Light cu	rds. Reason	able cur	cover. G	ood Face	oack mate	rial. Needs	cutting ev	ery 3 days.	

TIME OF PLANTING AND SPACING TRIAL
A plots transplanted 10th July
B plots transplant

2009 - 10

A2 and B2 7096/Acre A1 and B1 8580/Acre

B plots transplanted 21st July e A3 and B3 6150/Acre

VADIETY	TO IG	3	COLUMN CANADA	5		Г	ī			_		_
			OI LING PEN	90	DATS	Class	class	Onmer	гасераск		Class 2	
						-	2		Class 1			
										Crates/Acre		
		10%	20%	%06		%	%	%	8	9	16	12
Syngenta	95A1	29.04.10	29.04.10	03.05.10	4	94	0	9	1016	0	0	0
Darwin	95A2	29.04.10	03.05.10	03.05.10	4	85	0	15	754	0	0	0
	95A3	29.04.10	29.04.10	03.05.10	4	95	0	2	734	0	0	0
	95B1	29.04.10	29.04.10	03.05.10	4	80	0	20	858	0	0	0
	95B2	03.05.10	03.05.10	06.05.10	3	80	4	16	710	0	18	0
	95B3	29.04.10	03.05.10	06.05.10	7	92	0	8	707	0	0	0
Pale green leaf. Uniform. Upright frame. Large frame. Good Facepack material. Few defects. Looks good in tray. Good weight.	. Uniform.	Upright fram	e. Large fra	me. Good Fa	scepack I	naterial. F	ew defect	s. Looks	good in tra	y. Good we	eight.	
Seminis	96A1	19.04.10	22.04.10	26.04.10		28	3	10	930	0	18	0
RX5370	96A2	19.04.10	22.04.10	26.04.10	7	28	3	10	769	0	15	0
	96A3	19.04.10	22.04.10	26.04.10	7	80	7	13	615	0	13	17
	96B1	22.04.10	26.04.10	26.04.10	4	22	9	13	787	48	54	0
	96B2	15.04.10	26.04.10	26.04.10	11	83	3	14	739	0	15	0
	96B3	22.04.10	22.04.10	26.04.10	4		10	13	589	0	38	0
Excellent Facepack m	oack mater	aterial. Uniform. Dark green leaf type. Easy to see,	Dark green	leaf type. E	asy to se	e, cut and	pack. Sol	id mediur	pack. Solid medium/deep curds.	ds.		
Seminis	97A1	19.04.10	22.04.10	26.04.10	7	08	3	42	858	0	18	0
Trenale	97A2	19.04.10	22.04.10	26.04.10	7	98	3	11	692	0	15	0
	97A3	19.04.10	22.04.10	26.04.10	7	75	10	15	576	0	38	0
	97B1	26.04.10	26.04.10	03.05.10	7	81	5	14	898	0	26	0
	97B2	22.04.10	26.04.10	03.05.10	1	82	0	18	731	0	0	0
	97B3	22.04.10	26.04.10	03.05.10	7	84	0	16	647	0	0	30.11.09
Uniform. Very good Facepack material. Easy to see, cut and bag. A few small plants/curds. Very few defects. Looks good in tray	Jood Facep	oack materia	l.Easy to se	e, cut and be	ag. A few	small plar	nts/curds.	Very few	defects. Lo	ooks good	in tray.	