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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.

Bill Herring
Curriculum Area Manager/ Trials Coordinator
Duchy College

SignatureBill Herring.....Date 20.08.2014.....

Report authorised by:

[Name]
[Position]
[Organisation]

Signature Date

CONTENTS

Grower summary	1
Headline	1
Background	1
Results	1
Main conclusions	6
Full trial report	7
Introduction	7
Trial site details	16
Production details	16
Trial design	18
Trial records and data collected	18
Discussion	20
Conclusions	20
Technology transfer	21
Appendices	21

GROWER SUMMARY

Headline

The introduction of new Autumn and Winter cauliflower cultivars has again increased Grade 1 marketable product, many being 10% above standard cultivars based on 25315 plants/Hectare (10249/Acre) for the Autumn cultivars and 21193 plants/Hectare (8580/Acre) for the Winter cultivars. Potential income can be increased by £829/Ha. This is a real possibility with many producers now on a fixed price for their produce.

Background

Duchy College working in partnership with eight National seed houses and local growers have carried out the evaluation of commercially available Autumn, Winter Cauliflower and Spring greens cultivars over the past 18 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 the improvement in plant breeding and new cultivars being introduced these need to be assessed alongside current and established varieties in order to compare yields and quality of produce. With improved uniformity, disease resistance, and curd protection the need to compare with current cultivars is even more important in order to plan the production of the crop in order to meet market requirements and provide the best returns to the grower.

Results

Please refer to full trial report for full and comprehensive information on the results.

The following cultivars are of most interest to the industry. Some are new introductions to compliment cultivars that have been grown as the standard cultivars for specific production periods.

Overall the 2013-14 season was one of the poorest for marketable yield in the last 15 years of Trials. This was due to a wet planting period in July which resulted in over 25% of the nationally cropped area being planted 2 to 3 weeks later than planned. A late attack of Cabbage rootfly in late August/early September weakened some plants especially those transplanted later in July and was really noticeable on commercial crops transplanted in early August.

The Trials were planted on the 10th and 19th July similar to previous seasons.

This wet period was followed by a very mild September and early October, resulting in rapid plant growth resulting in a number of cultivars showing both white and green bracts in the curds, down grading produce to Class 2. However many of the Late Autumn cultivars performed well despite the weather conditions and some of the Winter cultivars produced high yields of Class 1 product especially in the heading period from February onwards.

The Spring Greens Trial was planted into good conditions however a late attack of Cabbage Root fly in mid September severely damaged a number of varieties resulting in poor yields. This late attack is uncommon in Cornwall with Cabbage rootfly not normally seen after late August.

Results over several seasons will need to be considered when selecting cultivars for production. Full information on all 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 Appendices.

Autumn Cauliflower 2013 Top performing cultivars

Transplanted at 25315 plants/Hectare (10249/Acre)

Seed House	Cultivar	% Class 1	Trays/Hectare (Acre)	Heading period
			Grade 1 (8/tray)	10 – 90% dates
Monsanto	Forata	74	2013 (815)	10.10.13 – 21.10.13
Sakata	CF 10827	75	2183 (884)	10.10.13 – 22.10.13
Syngenta	C 4010	77	2248 (910)	12.10.13 – 22.10.13
Monsanto	Aquata	70	2109 (854)	12.10.13 – 24.10.13
Syngenta	C 4018	88	2584 (1046)	14.10.13 – 21.10.13
Clause	Naruto	83	2373 (961)	15.10.13 – 25.10.13
Clause	Optimist	72	2151 (871)	15.10.13 – 28.10.13
Clause	Rafale	75	2359 (955)	15.10.13 – 30.10.13
Clause	Regata	71	2161 (875)	17.10.13 – 27.10.13
Monsanto	5965	74	2188 (886)	17.10.13 – 28.10.13
Sakata	Amadine	79	2329 (943)	27.10.13 – 02.11.13

Winter Cauliflower 2013 - 14 Top performing cultivars.

Yields will vary as there were two transplanting dates (10th and 19th July 2013) although spacings were the same for each cultivar within the Trials.

Transplanted at 21193 plants/Hectare (8580/Acre)

Seed House	Cultivar	% Class 1	Trays/Hectare (Acre)	Heading period
			Grade 1 (8/tray)	10 – 90% dates
Clause	Navalo	76	1803 (730)	25.10.13 – 08.11.13
Syngenta	4022	71	1788 (724)	27.10.13 – 06.11.13
Syngenta	4026	66	1677 (679)	04.11.13 – 20.11.13
Clayse	Diwan	59	1432 (580)	05.11.13 – 25.11.13
Syngenta	4013	53	1402 (568)	16.11.13 – 16.12.13
Vilmorin	Lecatis	58	1539 (623)	11.12.13 – 13.12.13
Elsoms	Paciano	57	1366 (553)	02.01.14 – 18.01.14
Vilmorin	Trevaskis	74	1961 (794)	27.01.14 – 22.02.14
Monsanto	5697	62	1642 (665)	08.02.14 – 27.02.14
Syngenta	Canten	73	1909 (773)	14.02.14 – 08.03.14
Monsanto	Carantic	85	2252 (912)	19.02.14 – 08.03.14
Clause	Brick	75	1919 (777)	19.02.14 – 03.03.14
Vilmorin	Dionis	68	1880 (761)	19.02.14 – 06.03.14
Clause	Fleet	75	1961 (794)	25.02.14 – 08.03.14
Syngenta	5022	75	1901 (770)	25.02.14 – 10.03.14
Tozer	2067	73	1800 (729)	25.02.14 – 15.03.14
Nickerson	AE 6272	73	1879 (761)	27.02.14 – 06.03.14
Syngenta	Clemen	80	1901 (770)	27.02.14 – 11.03.14
Tozer	2042	80	2052 (831)	06.03.14 – 13.03.14
Elsoms	Madiot	79	2100 (850)	10.03.14 – 20.03.14
Tozer	2038	85	2200 (891)	11.03.14 – 25.03.14
Syngenta	5008	77	2020 (818)	11.03.14 – 31.03.14
Elsoms	Isadora	84	1988 (805)	13.03.14 – 24.03.14
Clause	Mascaret	73	1827 (740)	13.03.14 – 05.04.14
Elsoms	Mystique	82	2119 (858)	15.03.14 – 24.03.14
Nickerson	AE 9307	77	2020 (818)	20.03.14 – 03.04.14
Nickerson	AE 9311	70	1842 (746)	22.03.13 – 05.04.14
Syngenta	Danden	82	2139 (866)	25.03.14 – 07.04.14
Syngenta	Drunen	76	1872 (758)	30.03.14 – 10.04.14
Syngenta	Charif	89	2329 (943)	05.04.14 – 14.04.14
Elsoms	Vogue	88	2055 (832)	07.04.14 – 10.04.14

Late heading Winter cauliflower 2013-14 Top performing varieties

These plots were transplanted on the 10th July 2013 aiming to head in the period of April through to late May 2014. Over recent seasons there has been a shortage of Cauliflower for this period which has resulted in the increase of imported produce to maintain supply to the various market outlets. Although fixed price returns to the grower over this heading period are not guaranteed there is scope to aim for this market share.

Transplanted at 21193 plants/Hectare (8580/Acre)

Seed House	Cultivar	% Class 1	Trays/Hectare (Acre)	Heading period 10 – 90% dates
			Grade 1 (8/tray)	
Syngenta	Delon	89	2351 (952)	
Syngenta	C5025	85	2223 (900)	10.04.14 – 17.04.14
Clause	CHF 10-106	79	2040 (826)	15.04.14 – 10.05.14
Tozer	2072	81	1714 (694)	15.04.14 – 08.05.14
Elsoms	Fletcher	89	2304 (933)	21.04.14 – 08.05.14
Tozer	3064	66	1743 (706)	26.04.14 – 10.05.14
Tozer	3060	65	1697 (87)	05.05.14 – 12.05.14
Tozer	3008	61	1605 (650)	12.05.14 – 26.05.14

Spring Green cultivars Main Results

Seed House Cultivar	Comments	Transplanting Date	Harvest dates	Pack out yield Trays/Acre (10 bags x 550grams)
Tozer Wintergreen (Traditional open pollinated variety)	Crinkled leaf type. Variable size greens. Dark green leaf. Some root fly damage in mid September. (approximately 40% of the crop).	06.09.13	12.02.14	448
Monsanto RX 7014	Slightly crinkled leaf type. Paler inner leaf. Very uniform. Heavy cabbage greens. Very few unmarketable greens. Little waste. Easy to cut.	06.09.13	12.02.14	630
Monsanto RX 7027	Paler inner leaf. Uniform. Upright frame. Suffered from Cabbage root fly damage in mid September. (approximately 60% of the crop)	06.09.13	12.02.14	247
Monsanto Summer green	Compact. Uniform. Paler inner leaf. Suffered from Cabbage root fly damage in mid September. (approximately 70% of crop)	06.09.13	12.02.14	220
Monsanto Evergreen	Some variation in plant size. Suffered from Cabbage root fly damage. (approximately 70% of crop)	06.09.13	12.02.14	270
Monsanto Winter Special	Uniform. Slightly crinkled leaf type. Some variation in size. Good greens. Few gaps.	06.09.13	12.02.14	580

The trials were undertaken at Trevarnon Farm, Gwithian, Cornwall. The soil type being 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. The cultivars are harvested twice a week on a similar basis as commercial crops on the farm.

Main conclusions

All of the cultivars that have performed well during 2013-14 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 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. There have been a number of new introductions over this period, which have performed very well alongside established cultivars.

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 2014 -15 and a number to follow in subsequent years. There is renewed interest in the late heading cultivars for the heading period of April and into mid May.

The inclement weather patterns of both the 2012-13 and 2013-14 seasons has enabled growers to observe those cultivars that have performed consistently despite the inclement growing conditions. 2012-13 proved to be one of the highest yielding seasons whereas the 2013 -14 season was one of the poorest yielding seasons in the last 20 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 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.

Increased interest and opportunities to market later heading Winter Cauliflower has seen a number of new introductions for the May period and these have been evaluated with some cultivars performing well.

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 2013.

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 14 cultivars replicated twice, transplanted at 25315 plants/Ha (10249/acre). Transplanted on the 10th July 2013.

The Winter Cauliflower Trial consisted of 59 cultivars transplanted at 21193 plants/Hectare (8580/Acre). Transplanted on the 10th and 19th July 2013.

The Late Variety Trial consisted of 20 cultivars replicated twice, transplanted at 21193 plants/Hectare (8580/Acre).

The Spring Greens Trial compared 5 hybrid cultivars with the traditional Wintergreen cultivar. All from different seed houses.

Field plan is found at the beginning of the Appendices.

AUTUMN CAULIFLOWER VARIETY TRIAL 2013 – 14

PLOT	VARIETY	SEEDHOUSE	HEADING PERIOD
49	FORATA (RX5710)	MONSANTO	OCTOBER
50	NARUTO	CLAUSE	MID OCTOBER
51	DAVID	SYNGENTA	MID OCTOBER
52	RAFALE	CLAUSE	MID/LATE OCTOBER
53	BELLAMY	RIJK ZWAAN	LATE OCTOBER
54	REGATA	CLAUSE	LATE OCTOBER
55	5965	MONSANTO	LATE OCTOBER
56	OPTIMIST	CLAUSE	LATE OCTOBER
57	CF 10827	SAKATA	LATE OCTOBER
57B	RAYLEIGH	SYNGENTA	LATE OCTOBER
58	5982	MONSANTO	EARLY NOV
59	C4010	SYNGENTA	EARLY NOV
60	AQUATA	MONSANTO	EARLY NOV
62	FORATA (RX5710)	MONSANTO	OCTOBER
63	NARUTO	CLAUSE	MID OCTOBER
65	RAFALE	CLAUSE	MID/LATE OCTOBER
66	BELLAMY	RIJK ZWAAN	LATE OCTOBER
67	REGATA	CLAUSE	LATE OCTOBER
68	5965	MONSANTO	LATE OCTOBER
69	OPTIMIST	CLAUSE	LATE OCTOBER
70	CF 10827	SAKATA	LATE OCTOBER
71	5982	MONSANTO	EARLY NOV
72	C4010	SYNGENTA	EARLY NOV
73	AQUATA	MONSANTO	EARLY NOV
74	4018	SYNGENTA	EARLY NOV

10249 PLANTS/ACRE (34" X 18")

WINTER CAULIFLOWER TIME OF PLANTING TRIAL 2013 – 14 (10.07.13)

PLOT	VARIETY	SEEDHOUSE	HEADING PERIOD
75	AF4158	NICKERSON	NOVEMBER
76	TELDE (BJ 2890)	ELSOMS	NOVEMBER
77	LESTERN	SYNGENTA	MID/LATE NOV
78	NAVALO	CLAUSE	MID NOVEMBER
78B	4022	SYNGENTA	MID NOVEMBER
79	DIWAN	CLAUSE	LATE NOVEMBER
79B	4026	SYNGENTA	LATE NOVEMBER
80	CENDIS	VILMORIN	EARLY DEC
81	GALIOTE	CLAUSE	EARLY DEC
82	LECATIS (AB 9130)	VILMORIN	DECEMBER
83	SGC 4013	SYNGENTA	EARLY DEC
84	BELOT	ELSOMS	MID DECEMBER
85	ALTADIS	SYNGENTA	DECEMBER
87	TRIOMPHANT	CLAUSE	MID/LATE DEC
89	AB 1089	NICKERSON	LATE DEC/JAN
90	FT 1001	TOZER	MID/LATE DEC
91	MAGINOT	ELSOMS	DECEMBER
92	TERMINILLO	MONSANTO	DEC/JAN
93	ALPEN	SYNGENTA	LATE DEC/JAN
95	JUBARTE	CLAUSE	EARLY/MID JAN
96	CHF 12 – 121	CLAUSE	EARLY/MID JAN
97	PACIANO (BJ 2784)	ELSOMS	MID JANUARY
98	5697	MONSANTO	JANUARY
99	FT 1018	TOZER	MID JANUARY
100	ARKWRIGHT	SYNGENTA	MID JANUARY
101	FT 1043 FMS	TOZER	MID JANUARY
102	FT 1039	TOZER	MID/LATE JAN
103	BRICK	CLAUSE	LATE JANUARY
104	TINTAGEL	MONSANTO	JANUARY/FEB
105	AF 6272	NICKERSON	JANUARY/FEB

106	DIONIS	VILMORIN	EARLY FEB
108	FT 1036	TOZER	EARLY FEB
109	REDOUTABLE	CLAUSE	EARLY FEB
110	TREVASKIS (AC 7111)	VILMORIN	EARLY FEB
111	CANTEN	SYNGENTA	EARLY/MID FEB
112	AMOR	ELSOMS	FEBRUARY
113	TREVIGNIS (AC 7140)	VILMORIN	MID FEBRUARY
114	FLEET	CLAUSE	MID FEBRUARY
115	CLEMEN	SYNGENTA	MID/LATE FEB
116	MASCARET	CLAUSE	MID/LATE FEB
119	SGC 5022	SYNGENTA	LATE FEB/MARCH
120	CARANTIC	MONSANTO	LATE FEB/MARCH
121	AE 8206	NICKERSON	LATE FEB/MARCH
122	SGC 5008	SYNGENTA	EARLY/MID MARCH
123	AE 9311	NICKERSON	LATE FEB/MARCH
124	FT 2038	TOZER	EARLY MARCH
125	AE 9307	NICKERSON	LATE FEB/MARCH
126	MADIOT	ELSOMS	EARLY MARCH
128	MYSTIQUE	ELSOMS	EARLY MARCH
129	FT 2063	TOZER	MARCH
130	FT 2042	TOZER	MARCH
131	ISADORA	ELSOMS	EARLY/MID MARCH
132	DANDEN	SYNGENTA	MID/LATE MARCH
133	FT 2050	TOZER	MARCH
134	VOGUE	ELSOMS	LATE MARCH
135	CHARIF	SYNGENTA	LATE MARCH
136	FT 2067	TOZER	LATE MARCH
137	DRUNEN (SG 4717)	SYNGENTA	LATE MAR/APRIL

8580 PLANTS/ACRE (34'' x 21'')

WINTER CAULIFLOWER TIME OF PLANTING TRIAL 2013 – 14 (19.07.13)

PLOT	VARIETY	SEEDHOUSE	HEADING PERIOD
183	AF4158	NICKERSON	NOVEMBER
184	TELDE (BJ 2890)	ELSOMS	NOVEMBER
185	LESTERN	SYNGENTA	MID/LATE NOV
186	NAVALO	CLAUSE	MID NOVEMBER
186B	4022	SYNGENTA	MID NOVEMBER
187	DIWAN	CLAUSE	LATE NOVEMBER
187B	4026	SYNGENTA	LATE NOVEMBER
188	CENDIS	VILMORIN	EARLY DEC
189	GALIOTE	CLAUSE	EARLY DEC
190	LECATIS (AB 9130)	VILMORIN	DECEMBER
191	SGC 4013	SYNGENTA	EARLY DEC
192	BELOT	ELSOMS	MID DECEMBER
193	ALTADIS	SYNGENTA	DECEMBER
194	TRIOMPHANT	CLAUSE	MID/LATE DEC
195	AB 1089	NICKERSON	LATE DEC/JAN
196	FT 1001	TOZER	MID/LATE DEC
197	MAGINOT	ELSOMS	DECEMBER
198	TERMINILLO	MONSANTO	DEC/JANUARY
199	ALPEN	SYNGENTA	LATE DEC/JAN
201	JUBARTE	CLAUSE	EARLY/MID JAN
202	CHF 12 – 121	CLAUSE	EARLY/MID JAN
203	PACIANO (BJ 2784)	ELSOMS	MID JANUARY
204	5697	MONSANTO	JANUARY
205	FT 1018	TOZER	MID JANUARY
206	ARKWRIGHT	SYNGENTA	MID JANUARY
207	FT 1043 FMS	TOZER	MID JANUARY
208	FT 1039	TOZER	MID/LATE JAN
209	BRICK	CLAUSE	LATE JANUARY
210	TINTAGEL	MONSANTO	JANUARY/FEB

211	AF 6272	NICKERSON	JANUARY/FEB
212	DIONIS	VILMORIN	EARLY FEB
213	FT 1036	TOZER	EARLY FEB
214	REDOUTABLE	CLAUSE	EARLY FEB
215	TREVASKIS (AC 7111)	VILMORIN	EARLY FEB
216	CANTEN	SYNGENTA	EARLY/MID FEB
217	AMOR	ELSOMS	FEBRUARY
218	TREVIGNIS (AC 7140)	VILMORIN	MID FEBRUARY
219	FLEET	CLAUSE	MID FEBRUARY
220	CLEMEN	SYNGENTA	MID/LATE FEB
221	MASCARET	CLAUSE	MID/LATE FEB
222	SGC 5022	SYNGENTA	LATE FEB/MARCH
223	CARANTIC	MONSANTO	LATE FEB/MARCH
224	AE 8206	NICKERSON	LATE FEB/MARCH
225	SGC 5008	SYNGENTA	EARLY/MID MARCH
226	AE 9311	NICKERSON	LATE FEB/MARCH
227	FT 2038	TOZER	EARLY MARCH
228	AE 9307	NICKERSON	LATE FEB/MARCH
229	MADIOT	ELSOMS	EARLY MARCH
231	MYSTIQUE	ELSOMS	EARLY MARCH
232	FT 2063	TOZER	MARCH
233	FT 2042	TOZER	MARCH
234	ISADORA	ELSOMS	EARLY/MID MARCH
235	DANDEN	SYNGENTA	MID/LATE MARCH
236	FT 2050	TOZER	MARCH
237	VOGUE	ELSOMS	LATE MARCH
238	CHARIF	SYNGENTA	LATE MARCH
239	FT 2067	TOZER	LATE MARCH
240	DRUNEN (SG 4717)	SYNGENTA	LATE MARCH/APR

8580 PLANTS/ACRE (34" X 21")

WINTER CAULIFLOWER LATE VARIETY TRIAL 2013 – 14

PLOT	VARIETY	SEEDHOUSE	HEADING PERIOD
1	FLETCHER	ELSOMS	EARLY APRIL
2	FT 2072	TOZER	EARLY APRIL
3	CHF 10-106 (clx33116)	CLAUSE	EARLY/MID APRIL
4	C5025	SYNGENTA	EARLY/MID APRIL
5	DELON (SG 4724)	SYNGENTA	MID/LATE APRIL
7	TENFOLD	MONSANTO	LATE APRIL/MAY
8	MUMBLES (FT 3062)	TOZER	LATE APRIL/MAY
9	DUNGENESS (FT 3042)	TOZER	LATE APRIL/MAY
11	ALDERNEY (FT 3064)	TOZER	EARLY MAY
12	WRANGLE (FT 3007)	TOZER	EARLY MAY
14	VT 3001	VILMORIN	EARLY/MID MAY
16	LONGSHIPS (FT 3008)	TOZER	MID MAY
17	GUNFLEET (FT 3052)	TOZER	MID MAY
18	MAYFAIR	SYNGENTA	MID/LATE MAY
19	SCARBOROUGH (FT 3059)	TOZER	MID/LATE MAY
20	GODREVY (FT 3069)	TOZER	MID/LATE MAY
21	FT 3071	TOZER	MID/LATE MAY
22	FLUGGA (FT 3060)	TOZER	MID/LATE MAY
23	LISMORE (FT 3063)	TOZER	MAY
24	FT 3070	TOZER	MAY
25	FLETCHER	ELSOMS	EARLY APRIL
26	FT 2072	TOZER	EARLY APRIL
27	CHF 10-106 (clx33116)	CLAUSE	EARLY/MID APRIL
28	C5025	SYNGENTA	EARLY/MID APRIL
29	DELON (SG 4724)	SYNGENTA	MID/LATE APRIL
31	TENFOLD	MONSANTO	LATE APRIL/MAY
32	MUMBLES (FT 3062)	TOZER	LATE APRIL/MAY
33	DUNGENESS (FT 3042)	TOZER	LATE APRIL/MAY
35	ALERNEY (FT 3064)	TOZER	EARLY MAY

36	WRANGLE (FT 3007)	TOZER	EARLY MAY
38	VT 3001	VILMORIN	EARLY/MID MAY
40	LONGSHIPS (FT 3008)	TOZER	MID MAY
41	GUNFLEET (FT 3052)	TOZER	MID MAY
42	MAYFAIR	SYNGENTA	MID/LATE MAY
43	SCARBOROUGH (FT 3059)	TOZER	MID/LATE MAY
44	GODREVY (FT 3069)	TOZER	MID/LATE MAY
45	FT 3071	TOZER	MID/LATE MAY
46	FLUGGA (FT 3060)	TOZER	MID/LATE MAY
47	LISMORE (FT 3063)	TOZER	MAY
48	FT 3070	TOZER	MAY

8580 PLANTS/ACRE (34" X 21")

SPRING CABBAGE TRIALS 2013 - 2014

4 rows / variety 25cm spacing in row

Transplanted 6th September 2013 into moist soil conditions. 300 of each cultivar. Module grown transplants.

SEED HOUSE	CULTIVAR
MONSANTO	RX 7014
TOZER	WINTERGREEN
SEMINIS	WINTER SPECIAL
MONSANTO	SUMMER GREEN
MONSANTO	RX 7027
MONSANTO	EVERGREEN

Trial site details

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

Production details

The Trials followed a crop of Winter cereals 2012, and left fallow prior to field operations.

CULTURAL INFORMATION 2013 – 14

AUTUMN and WINTER CAULIFLOWER TRIALS

<u>Fertiliser</u>	07.07.13	Base Dressing	Yara 13.13.21 @ 617.75Kg/Ha (5cwt/Acre)
	17.09.13	Top Dressing	BUNDS 24-0-17+ 7% SULPHUR @ 271.81Kg/Ha (2.2cwt/Acre)
	24.10.13	Top Dressing	Yara CALCIUM NITRATE 15.5% Nitrogen 271.81 Kg/Ha (2.2 cwt/Acre)
	29.11.13	Top Dressing	Yara CALCIUM NITRATE 15.5% Nitrogen 370.60Kg/Ha (3.0 cwt/Acre)
	10.01.14	Top Dressing	Yara CALCIUM NITRATE 15.5% Nitrogen 321.23Kg/Ha (2.6cwt/Acre)

Weed control

25.07.13 GAMMIT @ 0.2Ltr/Ha SULTAN @0.6Ltrs/Ha in
300 Litres of water.
Inter row cultivations.

Pest control Wire netting prior to transplanting as rabbit control

Chemical plan

09.07.13 CYREN @ 2Ltr/Ha in 300 Litres of water (Pre planting)
(cutworm)

01.09.13 in 300Litres of water/Ha
AMISTAR TOP @ 1 Ltr/Ha (Ringspot control)
APHOX @ 420 grams/Ha (Aphid control)
BANDU @ 300mls/Ha BREAKTHRU @ 0.3Ltr/Ha
MAGFLO 300 @ 2 Ltrs/Ha (Magnesium deficiency)
HURON @ 4Kg /Ha (Slug control)

12.10.13 in 300Litres of water/Ha
PLOVER @ 0.3 Ltrs/Ha. @ 0.3Ltrs/Ha BREAKTHRU @
0.3Ltr/Ha (Ringspot)
MAGFLO 300 @ 2 Ltrs/Ha (Magnesium deficiency)
APHOX @ 420 grams/Ha BANDU @ 300mls/Ha (Aphid control)

02.12.13 in 300 Litres of water/Ha

PLOVER @ 0.3 Ltrs/Ha. ACTIVATOR 90 @ 0.3 Ltrs/Ha

22.02.14 in 300 Litres of water/Ha

PLOVER @ 0.3 Ltrs/Ha. ACTIVATOR 90 @ 0.3 Ltrs/Ha

MAGFLO 300 @ 2 Ltrs/Ha (Magnesium deficiency)

Transplanting dates

Cauliflower Trials

Time of Planting Trials 10th July and 19th July 2013

Autumn Variety Trial 10th July

Late Variety Trial 10th July

Confidential plots 10th July

Spring greens

6th September

Trial design

Each plot consisting of 4 rows with the outer rows guards. 50 plants of each cultivar recorded with harvesting occurring every Monday and Thursday throughout the harvesting period of the Trials. (October – May 2012-13).


Trial records and data collected

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.

Title of	Time of planting Trial	Ref. V	GWITHIAN
Experiment	Ref. V	EO3/.....
...2013 -14.....		

Plot	0	1
Co.	(6-8)	

Plot



(6-8)

[illegible]

Missing Plants – For each missing plant unrecordable through non varietal factors put harvest OO and 1 under class.
Harvest Date – Put harvest date/code

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
1 White fine bracts.
2 Green bracts or leave blank.
Curd Colour
Yellow
Pink
Discoloured
Rotted curd
Slight frosted or water soaked.
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 $\frac{1}{2}$ sphere
Depth $\frac{1}{3}$ sphere - $\frac{1}{2}$ sphere
Depth $\frac{1}{3}$ sphere
Immature at final harvest or leave
blank.

Space A may be used to record information helpful in interpreting data (e.g. *bird damage, stem rot and an additional colour record*).

[illegible]

Discussion

The top performing cultivars are highlighted within the results section, which normally identifies cultivars that have performed above the average yield of 75% Grade 1. However due to the reduced yields this season figures are considerably less than this figure for most cultivars. Each 1% above this average yield increases gross income by £85/Ha based on a price of 40p per cauliflower.

Many of the Autumn heading cultivars produced well above 70% Class 1 with some cutting out over 85%, although the price to the grower is much less than the Winter cauliflower price which was fixed for the main production period in the region of 40p per cauliflower. The larger planting density per hectare would increase yields and returns even at a lower price to the grower.

Conclusions

Within the Autumn and Winter Cauliflower cultivars, a number of seedhouses have introduced numbered cultivars which have performed well alongside established and recently introduced cultivars. As with all new introductions these need to be evaluated over several seasons to ensure consistency within various growing seasons. Those that have done well this season include the following:-

Sakata	CF10827	Mid/Late October
Monsanto	5965	Late October
Syngenta	C4010	Early November
Syngenta	4018	Early November
Syngenta	4022	Mid November
Syngenta	4026	Late November
Monsanto	5697	January
Nickerson	AF 6272	January/February
Syngenta	5022	Late February/March
Nickerson	AE 9311	Late February/March
Nickerson	AE 9307	Late February/March
Syngenta	5088	Early/Mid March
Syngenta	C5205	Early/Mid May

It is to be noted that each cultivar performs differently from season to season, however data is available over the past 18 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://www2.cornwall.ac.uk/research/herring/default.asp>

Open days were held in December 2013, January and March 2014 where up to date information was made available to growers and representatives from the industry. A growers evening also took place on the evening of the January meeting to update growers on current work in regards Brassica's developments within the seedhouses represented in the Trials.

Appendices

The following appendices show the summaries of all cultivars in the:-

- Autumn Cauliflower Variety Trials 2013
- Winter Cauliflower Variety Trials for 2013 – 14
- Late Winter Cauliflower Trials 2014

with additional comments regarding each cultivar.

BRASSICA TRIALS FIELD PLAN 2013 -14

Late Cauliflower April onwards	Autumn Cauliflower	Time of Planting Cauliflower Planted 10.07.13	Time of Planting Cauliflower Planted 10.07.13	Confidential plots 4 row plots 34" x 21"	Time of Planting Cauliflower Planted 19.07.13	Time of Planting Cauliflower Planted 19.07.13
4 row plots 34" x 21" 8580 plants/Acre	4 row plots 34" x 18" 10249 plants/acre	4 row plots 34" x 21" 8580 plants/Acre	4 row plots 34" x 21" 8580 plants/Acre	8580 plants/Acre Plots 138 - 147	4 row plots 34" x 21" 8580 plants/Acre	4 row plots 34" x 21" 8580 plants/Acre
Plots 1 - 48	Plots 49 - 74	Plots 75 - 101	Plots 102 - 137	Single row plots Plots 148 - 182	Plots 183 - 207	Plots 208 - 240

	19	27	38	R O A D	48	57B	67	T	R O A D	T	81	92	101	R O A D	T	111	122	132	T	R O A D	141				R O A D	T	189	198	207	T	R O A D	T	216	225	235	T	C A B B A G E	
9	18	26	36		47	56	66	T		T	80	91	100		T	110	121	131	T		140					T	188	197	206	T		T	215	224	234	T		
8	17	25	35		46	55	65	74		T	79B	90	99		T	109	120	130	T		139	148 - 182				T	187B	196	205	T		T	214	223	233	T		
7	16	24	34		45	54	63	73		T	79	89	98		T	108	119	129	T		138	147				T	187	195	204	T		T	213	222	232	T		
5	15	23	33		44	53	62	72		T	78B	87	97		T	107	116	128	T		137	146				T	186B	194	203	T		T	212	221	231	240		
4	14	22	32		43	52	60	71		T	78	85	96		T	105	115	126	T		136	145				T	86	193	202	T		T	211	220	229	239		
3	12	21	31		42	51	59	70		T	77	84	95		T	104	114	125	T		135	144				T	185	192	201	T		T	210	219	228	238		
2	11	21	29		41	50	58	69		T	76	83	94		T	103	113	124	T		134	143				T	184	191	200	T		T	209	218	227	237		
1	10	20	28		40	49	57	68		T	75	82	93		T	102	112	123	T		133	142				T	183	190	199	T		T	208	217	226	236		

GATE

AUTUMN CAULIFLOWER VARIETIES													
2013							SPACING 34" X 18"						
									Crates / Acre				
	CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2		
10%	50%	90%		1	2	%	8	6	16	12			
10.10	14.10	21.10	11	69	11	20	768	152	71	0			
10.10	14.10	21.10	11	79	8	13	862	197	49	0			
10.10	14.10	21.10	11	74	10	16	815	175	60	0			
ds. Crinkly bluey/green leaf. Good curd cover. Paler inner leaf. Good depth. Fairly uniform. Easy to see cut and bag.													

CLAUSE	50	17.10	21.10	24.10	7	87	5	8	1046	85	32	0	
NARUTO	63	14.10	21.10	27.10	13	78	3	19	875	171	21	0	
Average		15.10	21.10	25.10	10	83	4	13	961	128	26	0	
Small frame. Pointed leaf type. Fairly uniform. Well protected curds. Prominent vein to leaf. Very white curds. Good Facepack material. Good weight.													

SYNGENTA	51	7.10	10.10	14.10	7	51	15	34	465	248	81	16	
DAVID													
Average		7.10	10.10	14.10	7	51	15	34	465	248	81	16	
Squat frame. Bluey/green leaf. Slightly twisted leaf over curds. Some good Facepack material. Some wilting plants(Late rootfly attack) Turns off white.													

CLAUSE	52	17.10	21.10	27.1	10	80	10	10	1025	0	64	14	
RAFALE	65	14.10	24.10	2.11	19	69	9	22	885	0	58	0	
Average		15.10	22.10	30.10	15	75	9	16	955	0	61	7	
Narrow leaf. Low to the ground. Strong mid rib to leaf. Some irregular shaped curds. Very uniform. Good Facepack material. Some leaf scorch/off white curds.													

RIJK ZWAAN	53	21.10	27.10	4.11	14	53	10	37	683	0	64	0	
BELLAMY	66	21.10	27.10	4.11	14	57	15	28	683	57	96	0	
Average		21.10	27.10	4.11	14	55	13	32	683	29	80	0	
Slim frame. Very erect leaf. Some good Facepack material. Reasonable curd cover. Uniform. High% of small plants/curds. White slightly knobbly curds. Some Xanthomonas on outer leaves													

VARIETY	PLOT		CUTTING PERIOD			DAYS	Class 1	Class 2	Unmarket %	Facepack			Class 2
			10%	50%	90%					8	6	16	12
CLAUSE	54		17.10	21.10	27.10	10	77	13	10	961	28	85	0
REGATA	67		17.10	21.10	27.10	10	65	17	18	788	66	86	33
Average			17.10	21.10	27.10	10	71	15	14	875	47	86	17
Smallish frame. Slightly knobbly curds. Low to the ground. Medium sized curds. Some good Facepack material. Twisted leaf over curds. Slightly wide base.													
MONSANTO	55		17.10	21.10	24.10	7	75	20	5	897	85	128	0
5965	68		17.10	27.10	2.11	16	73	8	19	875	85	53	0
Average			17.10	24.10	28.10	11	74	14	12	886	85	90	0
Narrow leaf type. Leggy/spreading frame.Heavy curds. Slightly wide base to curds. Will turn off white if not cut every 2 days. Good Facepack material.													
CLAUSE	56		10.10	17.10	21.10	11	76	12	12	871	137	77	0
OPTIMIST	69		21.10	27.10	4.11	14	68	18	14	871	0	115	0
Average			15.10	22.10	28.10	13	72	15	13	871	69	96	0
Small frame and curds. Good Facepack material .Lightish curds. A few off white curds. Easy to see, cut and pack. Reasonable curd cover. Looks good in tray.													
SAKATA	57		10.10	14.10	17.10	7	76	8	16	871	137	51	0
CF 10827	70		10.10	14.10	21.10	11	73	7	20	897	57	32	14
Average			10.10	14.10	19.10	9	75	7	18	884	97	41	7
Uniform. Good Facepack material. Small streamline frame. A few small plants very few other defects. Looks good in tray. Easy to see, cut and bag.													
SYNGENTA	57b		10.10	10.10	17.10	7	64	12	24	641	239	26	68
RAYLEIGH	243		14.10	21.10	27.10	13	61	18	21	732	70	163	0
Average			12.10	15.10	22.10	10	63	15	22	687	155	95	34
Smooth curds. Good curd protection. Crinkly leaf. Will turn creamy. Paler inner leaf. Some very good Facepack material. Some small plants/curds.													
MONSANTO	58		24.10	4.11	8.11	15	68	12	20	832	60	79	0
5982	71		27.10	4.11	8.11	12	52	20	28	641	28	128	0
Average			25.10	4.11	8.11	14	60	16	24	737	44	104	0
Tall leggy frame. Well covered. Very white curds. Slightly wide base to curds. Very good Facepack material. Uniform. Some small curds.													

										Crates / Acre			
VARIETY	PLOT	CUTTING PERIOD				DAYS	Class 1	Class 2	Unmarket %	Facepack		16	Class 2 12
		10%	50%	90%						8	6		
SYNGENTA	59		10.10	17.10	21.10	11	82	4	14	922	171	26	0
C 4010	72		14.10	21.10	24.10	10	72	4	24	897	34	26	0
Average			12.10	19.10	22.10	10	77	4	19	910	102	26	0
Uniform curd size. Very good Facepack material. Reasonable curd cover. Few defects. A few small plants/curds. Looks good in trays.													
MONSANTO	60		14.10	17.10	24.10	10	76	8	16	897	114	53	0
AQUATA	73		14.10	21.10	24.10	10	63	6	31	811	0	21	0
Average			14.10	19.10	24.10	10	70	7	23	854	57	37	0
Small frame. Crinkly leaf type. Well protected white curds. Solid curds. Good Facepack material. Easy to see, cut and bag. A few small plants/curds.													
SYNGENTA	74		14.10	17.10	21.10	7	88	5	7	1046	114	32	0
C 4018													
Average			14.10	17.10	21.10	7	88	5	7	1046	114	32	0
Large plot. Excellent Facepack material. Uniform. Good weight. Slightly widebase to curds. Solid curds. Good curd protection. Medium sized frame. Dark green leaf. Looks good in trays.													
SAKATA	94		21.10	24.10	27.10	6	91	2	7	1090	109	14	0
AMADINE	200		2.11	4.11	8.11	6	67	18	15	797	76	114	0
Average			27.10	29.10	2.11	6	79	10	11	943	93	64	0
Plot 94 transplanted 10th July. Plot 200 transplanted 19th July. Uniform Tight wrapper leaf over curds. Good Facepack material. Deep solid curds. Some large curds. Few defects. Lighter inner leaf. Later transplanting curds more open and need cutting every 2 days.													

2013-14		WINTER CAULIFLOWER VARIETY TRIAL												
		First Transplanting 10 July 2013								SPACING 8580 Plants/Acre				
		Second Transplanting 19 July 2013								Crates / Acre				
VARIETY	PLOT	CUTTING PERIOD				DAYS	Class 1	Class 2	Unmarket %	Facepack		16	Class 2	
		10%	50%	90%	8					6				
Nickerson	75	15.11	2.12	13.12	28	44	34	22	472	0	182	0		
AF4158	183	15.11	6.12	13.12	28	51	27	22	547	0	147	0		
Average		15.11	4.12	13.12	28	47.5	30.5	22	509.5	0	164.5	0		
Comments	Uniform. Good Facepack material. Some small white bracts in curds. A few off white curds. Good curd protection. Good weight.													
Elsoms	76	22.10	2.11	11.11	20	44	39	17	466	0	187	31		
TELDE	184	8.11	15.11	2.12	24	49	26	25	490	41	138	0		
Average		30.10	8.11	21.11	22	46.5	32.5	21	478	20.5	162.5	15.5		
Comments	Uniform. Tendency to turn off white, needs cutting every 2 or 3 days. Some good Facepack material. Poor curd protection.													
Syngenta	77	11.11	18.11	6.12	25	43	35	22	460	0	186	0		
LESTERN	185	11.11	22.11	6.12	25	46	26	28	493	0	139	0		
Average		11.11	20.11	6.12	25	44.5	30.5	25	476.5	0	162.5	0		
Comments	Some good Facepack material. Some loose, white bracted curds. Tendency to turn off white. Average weight curds.													
Clause	78	17.10	22.10	8.11	22	77	10	13	787	48	54	0		
NAVALO	186	2.11	4.11	8.11	6	76	10	14	673	196	54	0		
Average		25.10	28.10	8.11	14	76.5	10	13.5	730	122	54	0		
Comments	Smallish upright frame. Twisted leaf over curds. Purple leaves at base of curds. Well protected. Good weight. Good Facepack material.													
Syngenta	78B	21.10	27.10	4.11	14	82	4	14	858	29	21	0		
4022	186B	2.11	4.11	8.11	6	60	3	37	590	72	13	0		
Average		27.10	31.10	6.11	10	71	3.5	25.5	724	50.5	17	0		
Comments	Small frame Pale wrapper leaf. Good Facepack material. Untidy leaf. Easy to see, cut and bag. Some Xanthomonas on outer leaves. High % small curds on later transplanting.													
Clause	79	2.11	8.11	15.11	13	50	36	14	493	57	193	0		
DIWAN	187	8.11	11.11	6.12	28	67	20	13	667	64	107	0		
Average		5.11	9.11	25.11	20.5	58.5	28	13.5	580	60.5	150	0		
Comments	Uniform. Some small white bracts (approx 20%). Some good Facepack material. Tendency to turn off white if not cut every 3 days. Good weight. Reasonable curd cover. Later transplanting better quality curds.													

			First Transplanting 10 July 2013							SPACING 8580 Plants/Acre			
			Second Transplanting 19 July 2013							Crates / Acre			
VARIETY	PLOT		CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2
			10%	50%	90%		1	2	%	8	6	16	12
Syngenta	79B		4.11	8.11	18.11	14	74	12	14	794	0	64	0
4026	187B		4.11	8.11	22.11	18	58	25	17	563	72	134	0
Average			4.11	8.11	20.11	16	66	18.5	15.5	678.5	36	99	0
Comments	Untidy leaf. Wide base to curds. Twisted leaf over curds. Good Facepack material. Uniform. Few defects. Some white bracts in later crop.												
Vilmorin	80		15.11	2.12	13.12	28	44	34	22	472	0	182	0
CENDIS	188		15.11	6.12	13.12	28	51	27	22	547	0	147	0
Average			15.11	4.12	13.12	28	47.5	30.5	22	509.5	0	164.5	0
Comments	Uniform. Good Facepack material. Some small white bracts in curds. A few off white curds. Good curd protection. Good weight.												
Clause	81		24.10	8.11	15.11	22	35	44	21	371	0	234	0
GALIOTE	189		2.11	8.11	18.11	16	40	43	17	393	48	429	24
Average			28.10	8.11	16.11	19	37.5	43.5	19	382	24	331.5	12
Comments	Some white bracts(approx 25%) loose and off white curds.(Result of very warm October). Uniform in size. Some good Facepack material.												
Vilmorin	82		6.12	23.12	10.12	35	56	16	28	601	0	86	0
LECATIS	190		16.12	23.12	17.12	32	60	24	16	644	0	129	0
Average			11.12	23.12	13.12	33.5	58	20	22	622.5	0	107.5	0
Comments	Uniform. Goog solid Facepack material. Good curd protection. Slightly wide base to curds. 20% small plants/curds.												
Syngenta	83		15.11	26.11	16.12	31	53	29	18	572	0	155	0
4013	191		18.11	2.12	16.12	28	53	33	14	563	0	161	18
Average			16.11	29.11	16.12	29.5	53	31	16	567.5	0	158	9
Comments	Uniform. Some good Facepack materail. Some loose off white curds. 9% small curds. Good curd cover. Looks good in trays.												
Elsoms	84		8.11	18.11	13.12	35	29	36	35	312	0	195	0
BELOT	192		15.11	2.12	13.12	28	40	38	22	429	0	204	0
Average			11.11	25.11	13.12	31.5	34.5	37	28.5	370.5	0	199.5	0
Comments	Small white bracts in some curds (approx 40%0. Some off white, small curds. Some solid good Facepack material.												
Syngenta	85		13.2	24.2	24.2	11	16	38	46	172	0	204	0
ALTADIS	193		7.2	19.2	25.2	18	40	20	40	429	0	107	0
Average			10.2	21.2	24.2	14.5	29	29	43	301	0	156	0
Comments	Smallish frame. Good curd protection. Some good Facepack material. A few small plants/curds. Looks good in tray.												

			First Transplanting 10 July 2013						SPACING 8580 Plants/Acre				
			Second Transplanting 19 July 2013							Crates / Acre			
VARIETY	PLOT		CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2
			10%	50%	90%		1	2	%	8	6	16	12
Clause	87		2.12	13.12	23.12	21	40	36	24	429	0	193	0
TRIUMPHANT	194		6.12	13.12	23.12	17	46	30	24	493	0	161	0
Average			4.12	13.12	23.12	19	43	33	24	461	0	177	0
Comments	Some good Facepack material. Some small white bracts. A few small plants/curds. Looks good in tray. Reasonable curd cover.												
Nickerson	89		10.1	7.2	19.2	40	46	26	28	493	0	139	0
AB 1089	195		3.2	13.2	24.2	21	49	21	30	525	0	114	0
Average			22.1	10.2	21.2	30.5	47.5	23.5	29	509	0	126.5	0
Comments	Some good Facepack material. Will turn off white if not cut every 3 days. A few small plants. Small/medium frame. Heavy leaf drop												
Tozer	90		6.12	13.12	19.12	13	42	36	22	450	0	193	0
1001	196		13.12	16.12	23.12	10	42	36	22	452	0	191	0
Average			9.12	14.12	21.12	11.5	42	36	22	451	0	192	0
Comments	Small curds. An open frame. Some good Facepack material. Will turn off white if not cut every 3 days. Medium weight curds.												
Elsoms	91		15.11	26.11	2.12	17	30	43	27	295	36	215	18
MAGINOT	197		15.11	2.12	6.12	21	25	38	37	273	0	205	0
Average			15.11	29.11	4.12	19	27.5	40.5	32	284	18	210	9
Comments	Generally small curds. Small white bracts (approx 40%). 20% too small curds. Some good Facepack material. Rather an open frame.												
Monsanto	92		2.1	6.1	17.1	15	30	36	34	323	0	193	0
TERMINILLO	198		2.1	10.1	17.1	15	23	33	44	250	0	179	0
Average			2.1	8.1	17.1	15	26.5	34.5	39	286.5	0	186	0
Comments	30% small curds. Some loose curds. Struggled to make frame size resulting in small curds that were often off white in high temperatures												
Syngenta	93		6.1	9.1	3.2	28	45	20	35	483	0	107	0
ALPEN	199		20.1	3.2	10.2	21	33	28	39	349	0	147	0
Average			13.10	21.10	6.20	24.5	39	24	37	416	0	127	0
Comments	Small frames resulting in small/medium sized curds. Struggled to make good frame size. Some good Facepack material.												
	20% small plants/curds. The later transplanting struggled even more to make marketable sized curds.												
Clause	95		2.1	27.1	3.2	32	34	36	30	365	0	193	0
JUBARTE	201		2.1	3.2	10.2	39	29	35	36	315	0	179	14
Average			2.1	30.1	6.2	35.5	31.5	35.5	33	340	0	186	7
Comments	Heavy ringspot on outer leaves. Heavy leaf drop. Prone to turn off white if not cut every 2 or 3 days. Small frame/curds.												

			First Transplanting 10 July 2013						SPACING 8580 Plants/Acre				
			Second Transplanting 19 July 2013							Crates / Acre			
VARIETY	PLOT		CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2
			10%	50%	90%		1	2	%	8	6	16	12
Clause	96		17.1	27.1	7.2	21	57	18	25	610	0	95	0
CHF 12-121	202		17.1	3.2	19.2	33	52	22	26	558	0	118	0
Average			17.1	30.1	13.2	27	54.5	20	25.5	584	0	106.5	0
Comments	Solid curds. Good Facepack material. Uniform. Good curd cover, twisted wrapper leaves. Roscoff type. Some small plants/curds.												
Elsoms	97		2.1	6.1	17.1	15	60	28	12	570	91	148	0
PACIANO	203		2.1	10.1	20.1	18	54	32	14	536	57	161	14
Average			2.1	8.1	18.1	16.5	57	30	13	553	74	154.5	7
Comments	Solid well protected Facepack material. Uniform. Will turn off white if not cut every 3 days. A few small plants/curds. Clean leaf.												
Monsanto	98		7.2	19.2	24.2	17	58	20	22	622	0	107	0
5697	204		10.2	19.2	3.3	21	66	20	14	708	0	107	0
Average			8.2	19.2	27.2	19	62	20	18	665	0	107	0
Comments	Good Facepack material. Uniform. Looks good in tray. Solid curds. Good curd cover. Easy to see, cut and bag.												
Tozer	99		27.1	10.2	19.2	23	50	28	22	536	0	150	0
1018	205		7.2	13.2	19.2	12	50	22	28	515	29	118	0
Average			1.2	11.2	19.2	17.5	50	25	25	525.5	14.5	134	0
Comments	Some good Facepack material. Odd plant with sideshoots. Will turn off white if not cut every 3 days. A few loose curds. Reasonable cover.												
Syngenta	100		27.1	7.2	19.2	23	38	30	32	408	0	161	0
ARKWRIGHT	206		27.1	10.2	19.2	23	44	32	24	472	0	172	0
Average			27.1	8.2	19.2	23	41	31	28	440	0	166.5	0
Comments	Some good Facepack material. Open frame. Needs cutting every 3 or 4 days. Tendency to turn off white. Heavy leaf drop.												
Tozer	101		13.12	16.12	19.12	6	57	26	17	583	31	140	0
1043	207		19.12	23.12	27.12	8	52	36	12	555	0	192	0
Average			16.12	19.12	23.12	7	54.5	31	14.5	569	15.5	166	0
Comments	Slightly open fram. Some good Facepack material. Will turn off white if not cut every 3 days. Good weight. 15% small plants/curds.												
Tozer	102		16.12	2.1	10.1	25	58	24	18	624	0	127	0
1039	208		23.12	6.1	20.1	28	58	19	23	624	0	100	0
Average			19.12	4.1	15.1	26.5	58	21.5	20.5	624	0	113.5	0
Comments	Solid curds. Good leaf cover. Clean leaf. Good Facepack material. Looks good in trays. Easy to see, cut and bag.												

			First Transplanting 10 July 2013						SPACING 8580 Plants/Acre				
			Second Transplanting 19 July 2013							Crates / Acre			
VARIETY	PLOT		CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2
			10%	50%	90%		1	2	%	8	6	16	12
Clause	103		19.2	24.2	3.3	12	75	7	18	777	36	40	0
BRICK	209		19.2	3.3	10.3	19	75	10	15	778	36	54	0
Average			19.2	27.2	3.3	15.5	75	8.5	16.5	777.5	36	47	0
Comments	Uniform. Twisted leaf over curds. Medium depth. Light weight curds. Looks good in trays. Will go loose if not cut every 3 days.												
Monsanto	104		27.1	10.2	19.2	23	56	26	18	601	0	139	0
TINTAGEL	210		7.2	19.2	3.3	24	56	24	20	579	29	129	0
Average			1.2	14.2	25.2	23.5	56	25	19	590	14.5	134	0
Comments	Solid curds. Dark green leaf. Will turn off white if not cut every 2 or 3 days. Good Facepack material. A few small plants/curds.												
Nickerson	105		24.2	3.3	6.3	10	72	14	14	772	0	75	0
AF 6272	211		3.3	6.3	6.3	3	74	12	14	751	57	54	14
Average			27.2	4.3	6.3	6.5	73	13	14	761.5	28.5	64.5	7
Comments	Good Facepack material. Uniform. Medium depth. Looks good in trays. Good wrapper leaves. Quick heading period.												
Vilmorin	107		19.2	27.2	6.3	15	68	16	16	729	0	86	0
DIONIS	212		19.2	27.2	6.3	15	68	16	16	708	29	86	0
Average			19.2	27.2	6.3	15	68	16	16	718.5	14.5	86	0
Comments	Uniform. Easy to see, cut and bag. Good Facepack material. A few off white curds. Needs cutting every 3 days if mild.												
Tozer	108		2.1	10.1	17.1	15	42	29	29	453	0	155	0
1036	213		2.1	10.1	17.1	15	44	34	22	472	0	182	0
Average			2.1	10.1	17.1	15	43	31.5	25.5	462.5	0	168.5	0
Comments	Some good Facepack material. Some small curds. Tendency to turn off white. Medium depth curds. Slightly open habit.												
Clause	109		19.2	24.2	3.3	12	60	24	16	644	0	129	0
REDOUTABLE	214		19.2	27.2	6.3	15	72	14	14	772	0	75	0
Average			19.2	25.2	4.3	13.5	66	19	15	708	0	102	0
Comments	Uniform plants/curds. Good Facepack material. Will turn off white if not cut every 3 days. A few small plants/curds. Reasonable cover.												
Vilmorin	110		27.1	7.2	19.2	23	78	8	14	837	0	43	0
TREVASKIS	215		27.1	13.2	25.2	29	70	20	10	751	0	107	0
Average			27.1	10.2	22.2	26	74	14	12	794	0	75	0
Comments	Very good Facepack material. Good leaf cover. Solid curds. Looks good in trays. Uniform.												

			First Transplanting 10 July 2013						SPACING 8580 Plants/Acre				
			Second Transplanting 19 July 2013							Crates / Acre			
VARIETY	PLOT		CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2
			10%	50%	90%		1	2	%	8	6	16	12
Syngenta	111		3.2	24.2	6.3	31	68	12	20	708	29	64	0
CANTEN	216		25.2	3.3	10.3	13	78	4	18	837	0	21	0
Average			14.2	27.2	8.3	22	73	8	19	772.5	14.5	42.5	0
Comments	Uniform. Good Facepack material. Looks very good in trays. Few defects. Pale green leaf. Reasonable curd protection.												
Elsoms	112		7.2	19.2	25.2	18	47	25	28	500	0	131	0
AMOR	217		7.2	25.2	25.2	18	50	34	16	536	0	182	0
Average			7.2	22.2	25.2	18	48.5	29.5	22	518	0	156.5	0
Comments	Dark green leaf. Good frame size. Will turn off white if not cut every 3 days. Slightly open habit.												
Vilmorin	113		27.1	19.2	3.3	35	62	8	30	665	0	43	0
TREVIGNIS	218		7.2	25.2	3.3	24	60	16	24	643	0	83	0
Average			1.2	22.2	3.3	29.5	61	12	27	654	0	63	0
Comments	Good Facepack material. Uniform. Looks good in trays. Easy to see, cut and bag. Needs cutting every 3 days. 18% small plants/curds.												
Clause	114		24.2	3.3	6.3	10	68	18	14	729	0	97	0
FLEET	219		27.2	3.3	10.3	11	82	7	11	858	32	36	0
Average			25.2	3.3	8.3	10.5	75	12.5	12.5	793.5	16	66.5	0
Comments	Light weight curds at earlier transplanting. Uniform. Medium depth curds. Clean leaf. Very well protected curds.												
Syngenta	115		24.2	6.3	10.3	14	80	6	14	815	57	32	0
CLEMEN	220		3.3	10.3	13.3	10	80	5	15	724	179	27	0
Average			27.2	8.3	11.3	12	80	5.5	14.4	769.5	118	29.5	0
Comments	Clean pale green leaf. Very good Facepack material. Easy to see, cut and bag. Good weight. A few small plants/curds. Few defects.												
Clause	116		13.3	17.3	20.3	7	58	20	22	622	0	107	0
MASCARET	221		13.3	17.3	20.3	7	88	5	7	858	107	27	0
Average			13.3	17.3	20.3	7	73	12.5	14.5	740	53.5	67	0
Comments	Some good Facepack material. Uniform. Medium depth curds. Good curd cover. Tendency to be loose with early transplanting date.												
Syngenta	119		24.2	3.3	10.3	14	66	8	26	708	0	43	0
SGC 5022	222		27.2	3.3	10.3	11	83	0	17	831	72	0	0
Average			25.2	3.3	10.3	12.5	74.5	4	21.5	769.5	36	21.5	0

			First Transplanting 10 July 2013						SPACING 8580 Plants/Acre				
			Second Transplanting 19 July 2013							Crates / Acre			
VARIETY	PLOT		CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2
			10%	50%	90%		1	2	%	8	6	16	12
Monsanto	120		19.2	25.2	6.3	15	80	10	10	858	0	54	0
CARANTIC	223		19.2	27.2	10.3	19	90	2	8	965	0	13	0
Average			19.2	26.2	8.3	17	85	6	9	911.5	0	33.5	0
Comments	Solid curds. Very good Facepack material. Looks very good in trays. Uniform. Few defects.												
Nickerson	121		17.3	20.3	24.3	7	24	33	43	262	0	167	16
AE 8206	224		17.3	20.3	24.3	7	33	38	29	340	24	188	24
Average			17.3	20.3	24.3	7	28.5	35.5	36	301	12	177.5	20
Comments	Very light curds. Reasonable curd cover. Tendency to become loose (44% at early planting). Crinkly leaf. Slightly wide base to curds.												
Syngenta	122		6.3	13.3	24.3	18	80	4	16	858	0	21	0
SGC 5008	225		17.3	24.3	7.4	21	73	3	24	778	0	13	0
Average			11.3	18.3	31.3	19.5	76.5	3.5	20	818	0	17	0
Comments	Uniform. Good leaf cover. Very good Facepack material. Looks good in trays. Long heading period. 15% small plants/curds.												
Nickerson	123		20.3	27.3	31.3	11	57	17	26	606	0	93	0
AE 9311	226		24.3	31.3	10.4	17	83	2	15	885	0	13	0
Average			22.3	29.3	5.4	14	70	9.5	20.5	745.5	0	53	0
Comments	Small frame. Solid curds. Tight wrapper leaves. Some stump rot but not affecting curds. Large frame and curds. Will turn off white.												
Tozer	124		6.3	20.3	24.3	18	78	10	12	804	36	54	0
2038	227		17.3	20.3	27.3	10	91	4	5	977	0	24	0
Average			11.3	20.3	25.3	14	84.5	7	8.5	890.5	18	39	0
Comments	Clean leaf. Very good Facepack material. Uniform. Looks good in trays. Few defects. Easy to see, cut and bag.												
Nickerson	125		17.3	24.3	31.3	14	70	18	12	751	0	97	0
AE 9307	228		24.3	31.3	7.4	14	83	5	12	884	0	27	0
Average			20.3	27.3	3.4	14	76.5	11.5	12	817.5	0	62	0
Comments	Uniform. A few off white curds. Good Facepack material. Easy to see, cut and bag. Looks very good in the trays. Clean leaf.												
Elsoms	126		10.3	17.3	20.3	10	67	17	16	722	0	88	0
Madiot	229		10.3	17.3	20.3	10	91	4	5	977	0	24	0
Average			10.3	17.3	20.3	10	79	10.5	10.5	849.5	0	56	0
Comments	Good Facepack material. Very uniform. Large frame with later transplanting. Easy to see, cut and bag. Good curd cover. Few defects.												

			First Transplanting 10 July 2013							SPACING 8580 Plants/Acre			
			Second Transplanting 19 July 2013							Crates / Acre			
VARIETY	PLOT		CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2
			10%	50%	90%		1	2	%	8	6	16	12
Elsoms	128		13.3	20.3	24.3	11	83	7	10	885	0	40	0
MYSTIQUE	231		17.3	20.3	24.3	7	80	5	15	831	36	27	0
Average			15.3	20.3	24.3	9	81.5	6	12.5	858	18	33.5	0
Comments	Very iniform. Slightly wide base to curds. Good Facepack material. Looks good in trays. Few defects.												
Tozer	129		27.3	7.4	7.4	11	26	30	44	279	0	188	18
2063	232		24.3	7.4	14.4	21	38	25	37	402	0	107	36
Average			25.3	7.4	10.4	16	32	27.5	40.5	340.5	0	147.5	27
Comments	Variation in plant and curd sizes. Tendency to turn off white. Some good Facepack material. Medium depth. Tall upright leaves.												
Tozer	130		6.3	10.3	13.3	7	80	4	16	858	0	24	0
2042	233		6.3	10.3	13.3	7	80	5	15	804	72	27	0
Average			6.3	10.3	13.3	7	80	4.4	15.5	831	36	25.5	0
Comments	Uniform. Clean leaf. Good wrapper leaf. Slightly wide base to curds. Good Facepack material. Looks good in trays.												
Elsoms	131		10.3	17.3	24.3	14	84	4	12	858	64	24	0
ISADORA	234		17.3	20.3	24.3	7	83	0	17	751	179	0	0
Average			13.3	18.3	24.3	10.5	83.5	2	14.5	804.5	121.5	12	0
Comments	Crinkled leaf. Clean leaf. Very uniform. Very good Facepack material. Good curd cover. Few defects.												
Syngenta	132		24.3	31.3	7.4	14	76	8	16	794	29	43	0
DANDEN	235		27.3	31.3	7.4	11	87	5	8	938	0	27	0
Average			25.3	29.3	7.4	12.5	81.5	6.5	12	866	14.5	35	0
Comments	Some good Facepack material. Slightly wide base to curds. Soft light green wrapper leaves. Light weight curds. Flat/medium depth curds.												
Tozer	133		27.3	31.3	7.4	11	75	10	15	804	0	54	0
2050	236		24.3	31.3	7.4	14	89	4	7	953	0	24	0
Average			25.3	31.3	7.4	12.5	82	7	11	878.5	0	39	0
Comments	Some very good Facepack material. A few small plants/curds. Uniform. Easy to see, cut and bag. Good curd cover. Heavy solid curds.												
Elsoms	134		7.4	7.4	10.4	3	88	2	10	912	36	13	0
Vogue	237		7.4	7.4	10.4	88	0	12	751	250	0	0	0
Average			7.4	7.4	10.4	3	88	1	11	831.5	143	6.5	0
Comments	Very uniform. Clean leaf. Good curd cover. Very good Facepack amterial. Some large curds. Very short heading period.												

			First Transplanting 10 July 2013							SPACING 8580 Plants/Acre			
			Second Transplanting 19 July 2013							Crates / Acre			
VARIETY	PLOT		CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack		Class 2	
			10%	50%	90%		1	2	%	8	6	16	12
Syngenta	135		3.4	7.4	14.4	11	93	4	3	1001	0	12	16
CHARIF	238		7.4	7.4	14.4	7	85	8	7	885	36	40	0
Average			5.4	7.4	14.4	9	89	6	5	943	18	26	8
Comments	Very uniform. Easy to see, cut and bag. Very good Facepack material. Very few defects. Good curd cover. Good weight												
Tozer	136		24.2	6.3	17.3	21	66	22	12	686	29	118	0
2067	239		27.2	6.3	13.3	14	80	8	12	772	114	43	0
Average			25.2	6.3	15.3	17.5	73	15	12	729	71.5	80.5	0
Comments	Some good Facepack material. A few small plants/curds. Crinkled leaf type. Tendency to turn off white. Uniform sized marketable curds.												
Syngenta	137		27.3	7.4	10.4	14	75	5	20	800	0	20	13
DRUNEN	240		3.4	7.4	11.4	8	77	7	16	715	143	9	36
Average			30.3	7.4	10.4	11	76	6	18	757.5	71.5	14.5	24.5
Comments	Very uniform. Good curd cover. Very good Facepack material. Slight twist to frame. Solid curds. Well protected. Large frame and curds.												

2013-14		LATE WINTER CAULIFLOWER VARIETY TRIAL											
		Transplanted 10 July 2013						SPACING 8580 Plants/Acre					
								Crates / Acre					
VARIETY	PLOT	CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2	
		10%	50%	90%		1	2	%	8	6	16	12	
Elsoms	1	21.4	21.4	28.4	7	92	2	6	965	29	11	0	
FLETCHER	25	21.4	21.4	24.4	3	86	4	10	901	29	21	0	
Average		21.4	21.4	26.4	5	89	3	8	933	29	16	0	
Uniform. Dark green leaf. Roscoff type. Excellent Facepack material. Very few defects. Looks good in trays. Good weight													
Tozer	2	17.4	21.4	24.4	7	89	8	3	864	119	45	0	
2072	26	14.4	21.4	24.4	10	73	22	5	524	350	71	64	
Average		15.4	21.4	24.4	8.5	81	15	4	694	234.5	58	32	
Slightly open frame. Tight twisted leaf over curds. Wide base to curds. Not easy to pack. Some large curds. Good Facepack material. Few defects.													
Clause	3	17.4	21.4	24.4	7	76	10	14	794	29	54	0	
CHF 10 -106	27	14.4	21.4	28.4	14	82	10	8	858	36	54	0	
Average		15.4	21.4	26.4	10.5	79	10	11	826	32.5	54	0	
Slightly crinkled leaf. Good curd cover. Good Facepack material. Looks very good in trays. A few small curds. Easy to see, cut and pack.													
Syngenta	4	10.4	14.4	17.4	7	83	2	15	866	28	10	0	
C5025	28	10.4	14.4	17.4	7	87	3	10	934	0	17	0	
Average		10.4	14.4	17.4	7	85	2.5	12.5	900	0	17	0	
Slightly pointed leaves. Good curd protection. Uniform. Medium depth curds. Good Facepack material. Easy to bag and pack.													
Syngenta	5	17.4	21.4	24.4	7	93	2	5	992	0	13	0	
DELON	29	17.4	21.4	21.4	4	85	2	13	912	0	13	0	
Average		17.40	21.40	22.40	5.5	89	2	9	952	0	13	0	
Very good Facepack material. Uniform. Good weight. Good curd cover. Very few defects. Paler inner leaf. Slightly wide base to curds.													
Monsanto	7	3.4	10.4	10.4	7	44	44	12	365	143	172	86	
TENFOLD	31	3.4	10.4	10.4	7	26	50	24	279	0	172	129	
Average		3.4	10.4	10.4	7	35	47	18	322	71.5	172	107.5	
Bluey/green leaf. Open frame. Medium depth curds. Tendency to turn off white (main reason for Class 2). Some large curds.													

2013-14		LATE WINTER CAULIFLOWER VARIETY TRIAL											
		Transplanted 10 July 2013						SPACING 8580 Plants/Acre					
								Crates / Acre					
VARIETY	PLOT	CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2	
		10%	50%	90%		1	2	%	8	6	16	12	
Tozer	8	24.4	28.4	1.5	7	45	27	28	482	0	142	0	
MUMBLES (3062)	32	24.4	28.4	1.5	7	51	13	36	548	0	69	0	
Average		24.4	28.4	1.5	7	48	20	32	515	0	105.5	0	
Open frame. Some good Facepack material. Some off white curds. Needs cutting every 2 days. Will turn loose.													
Tozer	9	19.5	22.5	2.6	24	58	20	22	622	0	107	0	
DUNGENESS (3042)	33	12.5	22.5	26.5	14	50	29	21	536	0	140	17	
Average		15.5	22.5	29.5	14	54	24.5	21.5	579	0	123.5	8.5	
Strong vigour. Some very good Facepack material. Slightly wide base to curds. Will turn off white at base of curds if not cut every 2 or 3 days.													
Tozer	11	28.4	8.5	15.5	17	56	8	36	596	0	45	0	
ALDERNEY (3064)	35	24.4	1.5	5.5	11	76	4	20	815	0	21	0	
Average		26.4	4.5	10.5	14	66	6	28	705.5	0	33	0	
Some small curds and good Facepack material. Some irregular shaped curds which are not easy to pack. Slightly wide base to curds. Loose wrapper leaf.													
Tozer	12	1.5	12.5	19.5	18	27	17	56	286	0	89	0	
WRANGLE (3007)	36	1.5	8.5	14.5	13	55	30	15	536	71	94	89	
Average		1.5	10.5	16.5	15.5	41	23.5	35.5	411	35.5	91.5	44.5	
Open frame. Slightly crinkled leaf type. Generally small curds however a range of curd sizes within the crop. Some off white curds.													
Vilmorin	14	12.5	19.5	26.5	14	28	16	56	300	0	86	0	
VT 3001	38	19.5	22.5	26.5	7	53	17	30	572	0	89	0	
Average		15.50	20.50	26.50	10.5	40.5	16.5	43	436	0	87.5	0	
High% of small curds. Tendency to turn off white. Medium depth curds. Turning yellow at base of curds.													
Tozer	16	12.5	19.5	26.5	14	52	23	25	561	0	110	16	
LONGSHIPS (3008)	40	12.5	19.5	26.5	14	69	11	20	739	0	60	0	
Average		12.5	19.5	26.5	14	60.5	17	22.5	650	0	85	8	
Uniform plants. Some small curds. Some good Facepack material. Tendency to turn off white. Resonable curd cover. Dark green leaf. Strong midrib.													

2013-14		LATE WINTER CAULIFLOWER VARIETY TRIAL											
		Transplanted 10 July 2013						SPACING 8580 Plants/Acre					
								Crates / Acre					
VARIETY	PLOT	CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack			Class 2	
		10%	50%	90%		1	2	%	8	6	16	12	
Tozer	17	19.5	22.5	26.5	7	35	42	23	380	0	225	0	
GUNFLEET (3052)	41	2.5	19.5	26.5	14	60	18	22	605	52	98	0	
Average		15.5	20.5	26.5	10.5	47.5	30	22.5	492.5	26	161.5	0	
Tendency to turn off white at base of curds. Uniform curd size. Very leggy frame. Twisted leaf over curds. Difficult to see curds. Paler inner leaves.													
Syngenta	18	21.4	24.4	28.4	7.0	14	36	50	150	0	193	0	
MAYFAIR	42	14.4	24.4	28.4	14	3	38	59	24	0	203	0	
Average		17.4	24.4	10.5	8.5	37	54.5	87	0	198	0		
Tall frame. Clean slightly crinkled light green leaves. Many smalllll curds. Open habit. Knobbly curds. Off white curds.													
Tozer	19	14.5	19.5	26.5	12	35	21	44	379	0	110	0	
SCARBOROUGH (3059)	44	14.5	19.5	26.6	12	50	23	27	536	0	121	0	
Average		14.5	19.5	26.5	12	42.5	22	35.5	457.5	0	115.5	0	
Small curds. Open frame. Tendency to turn off white. Strong vigour to frame. Some good Facepack material.													
Tozer	20	14.5	19.5	22.5	8	30	10	60	322	0	54	0	
GODREVY (3069)	44	14.5	19.5	26.5	12	50	22	28	536	0	121	0	
Average		14.5	19.5	24.5	10	40	16	44	429	0	87.5	0	
Low growing frame. Wide base to curds. Small open curds. Tendency to turn off white. Very leafy. Clean leaf.													
Tozer	21	14.5	19.5	22.5	8	38	12	50	402	0	67	0	
3071	45	8.5	19.5	22.5	14	46	18	36	472	29	97	0	
Average		11.5	19.5	22.5	11	42	15	43	437	14.5	82	0	
High % small curds. Will turn off white at base of curds if not cut every 2 days. A few good Facepack curds. Loose wrapper leaf. Slightly wide base to curds.													
Tozer	22	5.5	8.5	12.5	7	60	20	20	644	0	107	0	
FLUGGA (3060)	46	5.5	8.5	12.5	7	70	18	12	729	29	97	0	
Average		5.5	8.5	12.5	7	65	19	16	686.5	14.5	102	0	
Crinkly leaf type. Wide base to curds. Variable plant/curd sizes. Some very good Facepack material. Will turn off white and become loose in warm weather.													

2013-14		LATE WINTER CAULIFLOWER VARIETY TRIAL											
		Transplanted 10 July 2013				SPACING 8580 Plants/Acre							
						Crates / Acre							
VARIETY	PLOT	CUTTING PERIOD			DAYS	Class	Class	Unmarket	Facepack		Class 2		
		10%	50%	90%		1	2	%	8	6	16	12	
Tozer	23	2.6	13.6	16.6	14	24	28	48	257	0	150	0	
LISMORE (3063)	47	5.6	13.6	19.6	14	38	18	44	402	0	94	0	
Average		3.6	13.6	17.6	14	31	23	46	329.5	0	122	0	
Strong vigour to plant. Frame. Tendency for curds to become loose and turn off white. Variable curd sizes with several small curds.													
Tozer	24	9.6	23.6	30.6	21	38	20	42	407	0	107	0	
3070	48	16.6	26.6	30.6	14	35	25	40	375	0	134	0	
Average		12.6	24.6	30.6	17.5	36.5	22.5	41	391	0	120.5	0	
Some good Facepack material. Uniform. Clean leaf. Tendency to become loose and turn off white. Needs cutting every 2 or 3 days.													