

**Project title:** AHDB Field Vegetable Centres – Brassicas, Cornwall  
2020

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

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**Location of project:** Trevarnon Farm, Gwithian, Cornwall

**Industry Representative:**

**Date project commenced:** 1 April 2019

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## 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.

Signature.....

Date .....

Signature .....

Date .....

### **Report authorised by:**

Signature .....

Date .....

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# **GROWER SUMMARY**

## **Headline**

Trials in the South West are conducted over the winter/spring, so this report date is part way through the season. The full report will be made available when trials are complete.

## **Background**

Variety selection in brassica crops is a complex equation in order to fill the right slot for harvest windows. It is also a key part of IPM strategies.

Brassica trials in the south west have been conducted over many years to help local growers and the wider industry to understand the variety choices available and to ensure independent data is available over a number of seasons.

## **Summary**

## **Materials and methods**

### **Autumn Cauliflower Variety Trial**

8 varieties were transplanted on the 16<sup>th</sup> and 23<sup>rd</sup> July 2019 at a plant density of 25315/Ha (10249/Acre).

### **Winter Cauliflower Variety Trial. 2020-21**

40 varieties from 7 seed houses were transplanted on the 16<sup>th</sup> and 23<sup>rd</sup> July 2020 at a plant density of 21192/Ha (8580/Acre).

### **Late Winter Cauliflower Variety Trial 2020-21**

8 varieties from 4 seed houses transplanted on the 16<sup>th</sup> and 23<sup>rd</sup> July 2020 at a plant density of 21192/Ha (8580/Acre). Harvest period from early March to late May 2021.

### **Spring Greens Variety Trial 2020-21**

6 varieties from 4 seed houses were transplanted 06.09.2020. Harvest period Feb – late March 2021. 5 row beds 50cms between rows and 20cms in the rows.



Spring Greens Variety Trial 11.10.2020

## Results and discussion

### Autumn Cauliflower Variety Trial

The trial plots were transplanted into good ground conditions resulting in very good establishment. High % cut out of Grade 1 produce from all varieties.

Seed house	Variety	Average 50% cut date	% Class 1	Crates/Ha size 8	Crates/Ha Size 6
Elsoms	Skywalker	18.10.20	81	2279	380
Sakata	Jericho	20.10.20	86	1487	1645
Sakata	Denton	27.10.20	77	1615	1097
Sakata	CAU 03105	30.10.20	86	1613	1477
Sakata	Amandine	2.11.20	84	1361	1729
Rijk Zwaan	Milandes	5.11.20	76	1455	1265
Bayer	AC 3332	5.11.20	85	1487	1487
Bayer	SV 5965	03.11.19	86	1773	1267

## **Winter Cauliflower Variety Trial. 2020-21**

Transplanted into good ground conditions resulting in very good establishment. Harvest period from early November to the end of March 2021.

The main results and discussion will be covered in the 2021 report and through KE events.

## **Knowledge and Technology Transfer**

Planned Open days and Brassica Conference 2020-21

The planned Field Trials open day on the 4<sup>th</sup> November was cancelled due to Covid 19 restrictions and the planned open day on the 20<sup>th</sup> January 2021 (1400 – 1600) will only be a Field Trials open day with no evening conference. This is of course is dependent on Covid 19 restrictions at the time. (Note – it was cancelled. Trial results were sent out to those who would have attended).

Our final Field Trials open day is planned for the 17<sup>th</sup> March 2021.