

# **TRIALS REPORT**

**2009**

## **Peas, mangetout & sugarsnap**



**AGM**

## Trial of Peas, mangetout & sugarsnap

**2009**



**AGM**



**Entries receiving  
The Award of Garden Merit (H3)**

**'Sugar Ann' AGM (H3) 2009, reconfirming AGM (H3) 2000.**  
Sent by and available from Unwins Seeds Ltd. Also offered by D T Brown, Marshalls, Thompson & Morgan and Tozer Seeds. Plant height at picking 100cm-140cm. Pods average 7.5cm long, 1.5cm wide and 0.8cm thick. Cropped from 5 June. *Sugarsnap. Early to crop and gives a good yield of juicy, sweet pods. Good flavour.*  
**Widely available.**



**'Oregon Giant' AGM (H3) 2009.**  
Sent by and available from Unwins Seeds Ltd. Plant height at picking 160cm. Pods average 10cm long, 2.7cm wide and 0.3cm thick. Cropped from 12 June. *Mangetout. Clean, healthy, mid-height plants. Attractive broad, mid-green pods.*  
**Available in one retail catalogue.**



**'Cascadia' AGM (H3) 2009, reconfirming AGM (H3) 2000.**  
Sent by Church (Bures) Ltd. Also sent by and available from Thompson & Morgan Ltd and offered by Tozer Seeds. Plant height at picking 165cm. Pods average 8cm long, 1.8cm wide and 1.5cm thick. Cropped from 12 June. *Sugarsnap. Heavy yield of attractive fleshy pods with good flavour.*  
**Available in three retail catalogues.**



**'Delikett' AGM (H3) 2009, reconfirming AGM (H3) 2000.**

Sent by and available from Kings Seeds.

Plant height at picking 150cm. Pods average 8cm long, 1.3cm wide and 0.8cm thick. Cropped from 15 June.

*Sugarsnap. Attractive, narrow, stringless pods with good flavour.*

**Widely available.**



**'Norli' AGM (H3) 2009, reconfirming AGM (H3) 2000**

Sent by and available from Johnsons Seeds.

Plant height at picking 110cm. Pods average 7.5cm long, 1.5cm wide and 0.3cm thick. Cropped from 5 June.

*Mangetout. Early and heavy cropping, medium height plants. Good for garden use.*

**Available in two retail catalogues.**



**'Sugar Bon' AGM (H3) 2009.**

Sent by and available from Mr Fothergill's Seeds.

Plant height at picking 115cm. Pods average 7.5cm long, 1.3cm wide and 1.2cm thick. Cropped from 5 June.

*Sugarsnap. Early crop of attractive, fleshy, tender pods with good, sweet flavour.*

**Available in four retail catalogues**



The following entries have been recommended for the AGM  but cannot receive the award until they are available to the public in retail catalogues. It is the responsibility of the sender to inform the Trials Office at Wisley that all queries have been resolved.

**SUBJECT TO AVAILABILITY:**

'Sugar Lace'.

Sent by Pro-Veg Seeds Ltd.

Plant height at picking 120cm. Pods average 9cm long, 1.8cm wide and 1.3cm thick. Cropped from 15 June.

*Sugarsnap. Semi-leafless. Attractive, fleshy pods with good flavour. Pods are very uniform and stringless. Good yield.*

Not yet available in catalogues.



'Sugar Gem'.

Sent by Pro-Veg Seeds Ltd.

Plant height at picking 165cm. Pods average 8cm long, 1.8cm wide and 1.3cm thick. Cropped from 15 June.

*Sugarsnap. Late cropping. Uniformly small pods have a good sweet flavour. Medium-sized plants give a good yield and are not too leafy.*

Not yet available in catalogues.



'Snow Sweet'.

Sent by Johnny's Selected Seeds.

Plant height at picking 130cm. Pods average 9cm long, 1.5cm wide and 0.3cm thick. Cropped from 17 June.

*Mangetout. Late cropping. Dark green, attractive and uniformly straight pods have a good sweet flavour. Medium-sized plant.*

Not yet available in catalogues.



### **Award to be Withdrawn**

The Panel recommended that the following awards be withdrawn:-

'Sugar Lord' ~~AGM (H3) 2000~~. *Late cropping. Very tall plants producing very small pods. Not currently available in retail catalogues.*

'Reuzensuiker' ~~AGM (H3) 1993~~. *Untidy plants became mildewed early on. Pods tough.*

'Oregon Sugar Pod' ~~AGM (H3) 1993~~. *Has been superseded by newer cultivars. Pods misshapen and maintenance is unlikely to improve. One grower supplies most of the retail trade.*

H3 = plants hardy outside in some regions or in particular situations or which, whilst usually grown outside in summer, need frost-free protection in winter.

**Sources of seed for these cultivars vary from year to year. Please see the Royal Horticultural Society's leaflet *Award of Garden Merit*  *Vegetables* for current stockists.**

This leaflet is available on the web at <http://www.rhs.org.uk/Plants/Plant-trials-and-awards/Plant-awards/AGM-plants>

A copy can also be obtained by sending an A4 sized, self addressed envelope with two first class stamps to: 'AGM List', Botany Department, Royal Horticultural Society Garden, Wisley, Woking, Surrey GU23 6QB

A full listing of vegetable seeds suppliers is also available on the RHS website at [www.rhs.org.uk/vegseedsuppliers](http://www.rhs.org.uk/vegseedsuppliers)

### **Trial Notes**

#### **Objectives:**

- To compare and assess a range of mangetout and sugarsnap pea cultivars.
- To recommend the Award of Garden Merit [AGM]  to outstanding cultivars for garden use.
- To demonstrate the cultivation of this crop.

### Entries:

There were 20 entries in the trial submitted by various seed companies in the UK and USA. Eight cultivars from the trial were also grown at RHS Garden Rosemoor and six were grown at RHS Garden Hyde Hall and at partner garden East Ruston Old Vicarage Garden. These included mangetout 'Oregon Sugar Pod' and sugarsnap 'Sugar Ann', which were the subjects of the online RHS website trial and were also grown by a number of schools as part of the RHS Campaign for Schools Gardening.

### Cultivation:

Manure was spread over the plot in autumn and the ground was rotavated in spring. No further fertilizer was applied. The soil was then raked prior to planting on 24 March. Seed was sown approximately 2.5cm apart in paired rows, with 23cm between rows and 90cm between entries. One paired row [3.6m long] of each entry was grown, with netting used between the pair for support. A fruit cage was erected around the crop to protect it from birds. At flowering time, pheromone traps were used to indicate the best time for the plants to be sprayed for the control of Pea Moth.

### Judging:

The trial was assessed for the Award of Garden Merit  by the Vegetable Trials Assessment Panel using the following criteria:

pod shape, size and colour : taste : texture (stringiness)  
yield : easy of picking

### Findings:

The crop was irrigated once on 2 June. A pheromone trap was used to detect pea moth and the first capture was on 16 June when five moths were trapped. The recommended threshold prior to spraying was ten moths so, as none had been trapped before harvest, the trial was not sprayed. The Panel noted that all entries had grown taller than expected and suggested that shade from the netting may have contributed to this. The crop was picked three times a week. The Panel had expected the sugarsnap entries to be sweeter and advised that their pods needed to be a little more mature and rounder at picking. For the final assessment, the pods of sugarsnap entries were left for seven days to fill out more before being picked. By 29 June several entries had almost finished cropping and some plants were showing signs of mildew.



Several of the schools and online growers reported that pests had devoured their seed or young plants, with mice or birds eating the seed before it had germinated and slugs or snails attacking the seedlings. Most frequently it was 'Sugar Ann' that participants reported being lost or damaged. The trial at Wisley had remained relatively pest free and although traps had been set for mice, none were caught. The Horticultural Advisors suggested starting the seeds off in pots indoors or under glass to get them past this vulnerable stage and then to plant them out when the seedlings were about 15cm tall. The majority of online participants preferred the flat, mangetout pods of 'Oregon Sugar Pod' with many saying that they found them tasty and versatile. Children in half of the schools that participated also liked 'Oregon Sugar Pod', but the other half preferred 'Sugar Ann'.

### Trial Entries:

AWARDS	NAME	SENDER
AGM (H3) 2009	'Cascadia'	Church
AGM (H3) 2000		
AGM (H3) 2009	'Cascadia'	Thompson & Morgan
AGM (H3) 2000		

AWARDS		NAME	SENDER
<b>AGM (H3) 2009</b>		'Delikett'	<b>Kings Seeds</b>
AGM (H3) 2000			
<b>AGM (H3) 2009</b>		'Norli'	<b>Johnsons Seeds</b>
AGM (H3) 2000			
<b>AGM (H3) 2009</b>		'Oregon Giant'	<b>Unwins</b>
<b>AGM (H3) 2009</b>		'Sugar Ann'	<b>Unwins</b>
AGM (H3) 2000			
<b>AGM (H3) 2009</b>		'Sugar Bon'	<b>Mr Fothergill's</b>
AGM (H3) 2000		'Delikata'	Mr Fothergill's / Pro-Veg
AGM (H3) 2009	<b>STA</b>	'Snow Sweet'	Johnny's Selected Seeds
AGM (H3) 2009	<b>STA</b>	'Sugar Gem'	Pro-Veg
AGM (H3) 2009	<b>STA</b>	'Sugar Lace'	Pro-Veg
<del>AGM (H3) 1993</del>		'Oregon Sugar Pod'	Thompson & Morgan
<del>AGM (H3) 1993</del>		'Reuzensuiker'	Mr Fothergill's
<del>AGM (H3) 2000</del>		'Sugar Lord'	S E Marshall
		SS141	Church
		'Sugar Sprint'	Pro-Veg
		'Kennedy'	Elsoms
		'Snow Green'	S E Marshall
		'Gigante Suizzero'	Seeds of Italy
		'Golden Sweet'	Dobies of Devon

#### Addresses of Senders:

Church (Bures) Ltd, High Street, Bures, Suffolk CO8 5JQ.

Dobies of Devon. Samuel Dobie & Son, Long Road, Paignton, Devon TQ4 7SX.

[www.dobies.co.uk](http://www.dobies.co.uk)

Elsoms Seeds Ltd, Pinchbeck Road, Spalding, Lincs. PE11 1QG.

Johnny's Selected Seeds, 955 Benton Avenue, Winslow, Maine 04901, USA.

Johnsons Seeds, Gazeley Road, Kentford, Newmarket, Suffolk CB8 7QB. [www.johnsons-seeds.com](http://www.johnsons-seeds.com)

Kings Seeds, E W King & Co Ltd, Monks Farm, Coggeshall Road, Kelvedon, Essex CO5 9PG.

[www.kingsseeds.com](http://www.kingsseeds.com)

Mr Fothergill's Seeds, Gazeley Road, Kentford, Newmarket, Suffolk CB8 7QB.

[www.fothergills.co.uk](http://www.fothergills.co.uk)

Pro-Veg Seeds Ltd, 6 Shingay Lane, Sawston, Cambridge CB2 4SS.

S E Marshall & Co Ltd, Alconbury Hill, Huntingdon, Cambs, PE28 4HY. [www.marshalls-seeds.co.uk](http://www.marshalls-seeds.co.uk)

Seeds of Italy, Phoenix Industrial Est., Unit C3, Rosslyn Crescent, Harrow, Middx. HA1 2SP.

[www.seedsofitaly.com](http://www.seedsofitaly.com)

Thompson & Morgan Ltd, Poplar Lane, Ipswich, Suffolk IP8 3BU.

[www.thompson-morgan.com](http://www.thompson-morgan.com)

Unwins Seeds Ltd, Alconbury Hill, Huntingdon, Cambs, PE28 4HY. [www.unwins.co.uk](http://www.unwins.co.uk)

Source: Trials Office, The RHS Garden, Wisley, Woking, Surrey GU23 6QB

e-mail: [trials@rhs.org.uk](mailto:trials@rhs.org.uk).

More information about RHS Trials and other trials reports can be found on the RHS Website : <http://www.rhs.org.uk/trials>