



# TOMATO, MULTI-LOCULAR (BEEFSTEAK TYPE), IN PLASTIC TUNNEL

Entries receiving  
The Award of Garden Merit (H2)



*little seed. Good flavour.*

**'Amana Orange' AGM (H2) 2003** Votes 6-2 Sent by Western Hybrid Seeds Inc. Available from Unwins, E W King Ltd., Tozer Seeds Ltd and Sakata UK Ltd.

Plant indeterminate; height 190cm. First picked 31 July. Produced an average of 31 fruits per plant. Fruits are orange and have a flattened shape, 9cm diameter, 7cm length, fairly smooth with more than 10 locules and few seeds; firm, juicy, light orange flesh; average weight of one fruit 159 grams. *Attractive orange-yellow fruit with solid flesh, and very*



**'Beefsteak' (Organic) AGM (H2) 2003** Votes 7-1 Sent by and available from Unwins Seeds Ltd.

Plant indeterminate; height 140cm. First picked 28 July. Produced an average of 46 fruits per plant. Fruits are bright red, and have a flattened shape, 9cm diameter, 6cm length, corrugated around stalk with eight locules and some seeds; firm, juicy, red flesh; average weight of one fruit 242 grams.

*Very high yield of bright red, attractive, large, multilocular fruits with solid flesh and good flavour.*



**'Costoluto Fiorentino' AGM (H2) 2003** Votes 6-2 Sent by and available from

Mr Fothergill's Seeds Ltd.

Plant indeterminate; stopped at 200cm. First picked 28 July. Produced an average of 54 fruits per plant. Fruits are bright red and have a very corrugated, flattened shape, 8cm diameter, 5cm length with more than 10 locules and few seeds; firm, juicy, red flesh; average weight of one fruit 127 grams

*High yield of medium sized, attractive bright red, highly*

*ribbed, succulent fruit with good fruity flavour.*



**'Flame' AGM (H2) 2003** Votes 8-0 Sent by Western Hybrid Seeds Inc. Available from Unwins, E W King Ltd., Tozer Seeds Ltd and Sakata UK Ltd. Plant indeterminate; height 160cm. First picked 28 July. Produced an average of 14 fruits per plant. Fruits are red on dark yellow and have a flattened shape that is corrugated around the stalk, 10cm diameter, 7cm length with eight locules and some seeds; firm, juicy flesh is yellow with a red centre; average weight of one fruit 389 grams.

*A low number of very large, attractive fruit with yellow flesh merging into a flame red core. Very good flavour*



**'Legend' F<sub>1</sub> AGM (H2) 2003** [Trial No 16] Votes 8-0 Sent by and available from Thompson & Morgan Ltd.

Plant determinate; height 65cm. First picked 28 July. Produced an average of 26 fruits per plant. Fruits are bright red, round and smooth, 8cm diameter, 7cm length with more than ten locules and some seeds; firm, juicy flesh is red; average weight of one fruit 225 grams.

*Early crop of large, bright red fruit from a determinate plant that does not need staking. Claimed to be blight resistant by the breeder.*



**'Marmande' AGM (H2) 2003** [Trial Nos 17&18] Votes 8-0 Sent by. Pro-Veg Seeds Ltd, and Unwins Seeds Ltd. Widely available.

Plant indeterminate; height stopped at 150cm. First picked 28 July. Produced an average of 45 fruits per plant. Fruits are bright red, with a flattened shape that is corrugated around the stalk, 9cm diameter, 7cm length with more than ten locules and some seeds; firm, juicy flesh is red; average weight of one fruit 255 grams.

*High yield of large, bright red, attractive multi locular fruits with solid flesh and good flavour.*



**'Ponderosa Pink' AGM (H2) 2003** Votes 7-0 Sent by Western Hybrid Seeds Inc. Available from Unwins, E W King Ltd., Tozer Seeds Ltd and Sakata UK Ltd.

Plant indeterminate; height 200cm. Produced an average of 41 fruits per plant. Fruits are rosy-red, with a flattened shape that is corrugated around the stalk, 9cm diameter, 5cm length with ten

locules and some seeds; firm, juicy flesh is rosy-red; average weight of one fruit 248 grams. *Later crop of attractive, large, rosy-red fruit from vigorous, uniform plants. Fruit with excellent flavour.*



**'White Beefsteak' AGM (H2) 2003** Votes 7-1 Sent by Western Hybrid Seeds Inc. Available from Unwins, E W King Ltd., Tozer Seeds Ltd and Sakata UK Ltd.

Plant indeterminate; height stopped at 200cm. Produced an average of 27 fruits per plant. Fruits are pale yellow with a fairly smooth, rounded shape, slightly corrugated around the stalk, 9cm diameter, 8cm length with many more than ten locules. Locules are almost indistinguishable and there are no seeds. The pale yellow flesh is solid

and juicy; average weight of one fruit 305 grams.

*A low number of large, pale yellow fruit with solid flesh, and very little seed.*

The following entries cannot receive the AGM  recommended to them until queries on naming and /or availability have been resolved. It is the responsibility of the sender to inform the Trials Office at Wisley that all queries have been resolved.



**'Canestrino Di Lucca'** Sent by Pro-Veg Seeds Ltd. Not yet available in retail.

Plant indeterminate; stopped at 200cm. First picked 28 July. Produced an average of 54 fruits per plant. Fruits are red and box shaped, 7cm diameter, 7cm length, corrugated with 6 locules and some seeds; firm, juicy, red flesh; average weight of one fruit 113 grams.

*Box shaped, very large number of medium sized fruits, with good colour and flavour. Cropped steadily over a long period. Ideal for stuffing.*



**'Rosa Sorrento'** Sent by MFM International srl. Not yet available in retail.

Plant indeterminate; height 180cm. Produced an average of 31 fruits per plant. Fruits are rosy-red, with a rounded shape that is lightly corrugated around the stalk, 8cm diameter, 7cm length with ten locules and some seeds; firm juicy flesh is rosy-red; average weight of fruit 245 grams.

*Attractive, large, rosy-red, solid fruit with very good flavour.*



EXM 28/99 F<sub>1</sub> (subject to naming and availability) Sent by Pro-Veg Seeds Ltd.

Plant indeterminate; stopped at 150cm. Produced an average of 28 fruits per plant. Fruits are rosy-red, with a flattened shape that is lightly corrugated around the stalk, 9cm diameter, 7cm length with nine locules and some seeds. Flesh is firm, juicy and a rosy-red; average weight of one fruit 227 grams.

Large, rosy-red, solid, fleshy fruit with good flavour.

## Trial Notes

**Objective:** To assess a range of beefsteak tomatoes grown in the unheated plastic tunnel for the Award of Garden Merit [AGM]  and to demonstrate the cultivation of such a crop.

**Entries:** There were 39 entries in the Trial submitted by various seed companies in the UK, Europe and USA

**Cultivation:** Seed was sown on 1 April into pots using modular compost, covered with 10mm vermiculite, watered with Revive (a soil treatment of natural micro organisms) at 1ml/litre, and germinated at 15°C. The seedlings were later pricked out into 9cm square pots of modular compost and continued to be grown at 15°C in a greenhouse where a biological control programme is used to combat aphids, white fly and red spider mite.

Soil in the plastic tunnel was sterilized, and six plants of each entry were planted out on 13 May, 40cm apart in double rows 80cm between rows, with paths of 120cm wide. A drip irrigation system has been installed and a regular liquid feed is given, once the first truss starts to swell, through a diluter. Plants were stopped at six trusses.

**Records** The number of fruits picked, dates of pick and the weight of ten average fruits from each entry was recorded.

**Judging:** The trial was judged by the Vegetable Trials Sub-committee on 2 September 2003 and the Award of Garden Merit (AGM) was recommended to eleven cultivars.

The Sub-committee considered the following criteria when judging the trial for entries with four or more locules, which displayed the fleshy characteristics that make this type of tomato good for slicing and that gardeners associates with a beefsteak type:

Fruit – flavour : shape : size : colour : density  
Plant – health : uniformity : habit

## Entries, Senders and Awards

Award	Name	Sender
AGM(H2)2003	'Amana Orange'	Western Hybrid
AGM(H2)2003	'Beefsteak' (Organic)	Unwins
AGM(H2)2003	'Costoluto Fiorentino'	Fothergill's
AGM(H2)2003	'Flame'	Western Hybrid
AGM(H2)2003	'Legend' F <sub>1</sub>	Thompson & Morgan
AGM(H2)2003	'Marmande'	Pro-Veg Seeds
AGM(H2)2003	'Marmande'	Unwins
AGM(H2)2003	'Ponderosa Pink'	Western Hybrid
AGM(H2)2003	'White Beefsteak'	Western Hybrid
AGM(H2)2003 STA	'Canestrino Di Lucca'	Pro-Veg Seeds
AGM(H2)2003 STA	'Rosa Sorrento'	mfm International
AGM(H2)2003 STN/A	EXM 28/99 F <sub>1</sub>	Pro-Veg Seeds
<b>Award</b>	<b>Name</b>	<b>Sender</b>
	'Big Boy' F <sub>1</sub>	Marshalls
	'Box Car Willie'	Totally Tomatoes
	'Buffalo' F <sub>1</sub>	Dobies
	'Cuor Di Bue'	Pro-Veg Seeds
	'Fatima' F <sub>1</sub>	John Bertinat
	'Ferline' F <sub>1</sub>	Thompson & Morgan
	'Gigante Del Vomano'	Pro-Veg Seeds
	'Homestead'	Pro-Veg Seeds
	'Ikarus'	John Bertinat
	'Itema' F <sub>1</sub>	John Bertinat
	'Mortgage Lifter'	Western Hybrid
	'Pineapple'	Western Hybrid
	'Ponderosa Sel Belmonte'	Pro-Veg Seeds
	'Red Delicious'	Western Hybrid
	'Rosate'	mfm International
	'Soldacki'	Totally Tomatoes
	'Soleane' F <sub>1</sub>	Tozer
	'Super Marmande'	Marshalls
	'Suso' F <sub>1</sub>	Chrestensen
	'Valbonne' F <sub>1</sub>	Tozer
	AX 532 F <sub>1</sub>	Pro-Veg Seeds
	CK 6/971 F <sub>1</sub>	Pro-Veg Seeds
	EXM 20/99 F <sub>1</sub>	Pro-Veg Seeds
	EXM 31/99 F <sub>1</sub>	Pro-Veg Seeds
	SQ 2-1088/96 F <sub>1</sub>	John Bertinat
	SQ 2-4/96 F <sub>1</sub>	John Bertinat
	SQ 2-49/96 F <sub>1</sub>	John Bertinat

STN/A = Subject to naming and availability. STA = Subject to availability

H2 = requires unheated glass

## **Name and Address of Senders to the Trial and Suppliers**

N L Chrestensen, Erfurter Samen und Pflanzenzucht GmbH, Postfach 854, 99016 Erfurt, Germany

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

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

John Bertinat Seeds Ltd, Bankfield House, 39 Bure Way, Aylsham, Norwich, Norfolk, NR11 6HL

S E Marshall, Impington Lane, Histon, Cambridge, CB4 4LE

MFM International srl., Via Nazionale 302, 80095 Torre Del Greco (NA), 80059, Italy.

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

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

Totally Tomatoes, P.O. Box 202, Newton Abbot, TQ12 6ZH

A L Tozer Ltd, Pyports, Downside Bridge Road, Cobham, Surrey, KT11 3EH

Unwins Seeds Ltd, Impington Lane, Histon, Cambridge, CB4 4LE

Western Hybrid Seeds Inc, P O Box 1169, Hamilton City, CA 95951, USA

Source: Trials Office, The Royal Horticultural Society Garden,  
Wisley, Woking, Surrey GU23 6QB

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