

## VARIETIES RELEASED FROM EAST MALLING AND WYE

\*Clones selected at East Malling Research, not produced from crosses made at East Malling Research

Crop	Name	Selection	Cross made	Parents	Rights granted or released
Apple rootstocks	M.1 to 16*		*		1912-1914
Plum rootstock	Myrobalam B*		*		1920
Plum rootstock	Damas C*		*		1920
Plum rootstock	St Julien A*		*		1920
Quince rootstock for pear	Quince A, B, and C*		*		1920
Apple rootstocks	M.17 to 24*		*		1924
Cherry rootstock	F12/1*		*		1924
Blackcurrant	Wellington XXX		1913	Boskoop Giant x Baldwin	1927
Raspberry	Malling Enterprise	33/132	1931	Preussen x (Pyne's Royal x Lloyd George)	1943
Raspberry	Malling Landmark	34/42	1932	Preussen x Baumforth A	1943
Raspberry	Malling Promise	51/79	1936	Newburgh x (Lloyd George x Pyne's Royal)	1945
Apple	Tydemans Early Worcester	431	1928	McIntosh x Worcester Permain	1945
Apple	Tydemans Late Orange	454	1929	Laxton's Superb x Cox's Orange Pippin	1945
Apple	Michaelmas Red	432	1928	McIntosh Red x Worcester Permain	1945
Apple	Tydemans October Pippin	455	1929	Cox's Orange Pippin x Ellison's Orange	Trialled in 1950s, not released
Apple	Tydemans Martinmas	452	1928	McIntosh Red x Worcester Permain	Trialled in 1950s, not released
Apple	Tydemans Harvest	456	1929	Devonshire Quarrenden x Worcester Permain	Trialled in 1950s, not released
Raspberry	Malling Notable	32/163	1931	Preussen x Lloyd George	1947
Raspberry	Malling Jewel	33/54	1931	Preussen x (Pyne's Royal x Lloyd George)	1949
Raspberry	Malling Exploit	51/84	1936	Newburgh x (Lloyd George x Pyne's Royal)	1949
Apple rootstock	M.25			Northern Spy x M.2	1952
Apple rootstock	MM.104			M.2 x Northern Spy	1952
Apple rootstock	MM.106			Northern Spy x M.1	1952
Apple rootstock	MM.109	Selected at EM	Cross John Innes	M.2 x Northern Spy	1952

Apple rootstock	MM.111	Selected at EM	Cross John Innes	Northern Spy x Merton 793	1952
Apple rootstock	M.26	Malling 3436	1929	M.16 x M.9	1959
Apple rootstock	M27	3431	1934	M.13 x M.9	1975
Dessert apple	Suntan	A1585	1955	Cox x Court Pendu Plat	1975
Dessert apple	Kent	A1379	1949	Cox x Jonathan	1975
Raspberry	Leo	1312/19	1963	Complex parentage inc. M. Landmark, Lloyd George, Pyne's Royal, Norfolk Giant, Burnetholm and Cumberland ( <i>Rubus occidentalis</i> )	1975
Plum rootstock	Pixy	E340/4.6	1949	St. Julien d'Orleans open-pollinated	1977
Cherry rootstock	Colt	FB2.58-21	1958	<i>Prunus avium</i> F299/2 x <i>P. pseudocerasus</i>	1977
Dessert apple	Greensleeves	A120/6	1965	James Grieve x Golden Delicious	1977
Dessert apple	Jester	A116/28	1965	Worcester Pearmain x Starkspur Golden Delicious	1979
Raspberry	Joy	2476/123	1968	Complex parentage includes M. Promise, M. Landmark, Burnetholm, Pyne's Royal, Lloyd George, Norfolk Giant and Cumberland	1980
Cherry rootstock	Cob	FB2-58-17	1958	<i>Prunus avium</i> F299/2 x <i>P. pseudocerasus</i>	1980
Gooseberry	Invicta	B995/2	1967	Keepsake x (Whinham's Industry x Resistenta)	1981
Dessert apple	Jupiter	A133/8	1965	Cox x Starking Delicious	1981
Redcurrant	Redstart	B608/3	1962	Red Lake x ( <i>Ribes koehneanum</i> x Red Lake)	1982
Dessert apple	Redsleeves	A232/2	1967	Exeter Cross x TSR15T3	1983
Culinary apple	Bountiful	T20/1	1963	Cox open-pollinated	1983
Raspberry	Autumn Bliss	3676/78	1973	Complex parentage includes Lloyd George, <i>Rubus arcticus</i> , <i>R. occidentalis</i> and <i>R. idaeus strigosus</i>	1983
Rubus hybridberry	Sunberry	2143/9	1966	<i>Rubus ursinus</i> x Malling Jewel (4x) self	1983
Pear	Concorde	P22B/14	1968	Comice x Conference	1984
Gooseberry	Greenfinch	B994/27	1968	Careless x (Whinham's Industry x Resistenta)	1984
Dessert apple	Fiesta (Red Pippin)	T31/31	1972	Cox x Idared	1984
Cherry rootstock	Charger	FD1-57-4-13	1957	<i>Prunus avium</i> F1/3 open pollinated	1986
Dessert apple	Falstaff	A120/3	1965	James Grieve x Golden Delicious	1986
Columnar dessert apple	Telamon (Waltz)	SA251-18	1976	McIntosh Wjicik x Golden Delicious	1986
Columnar dessert apple	Trajan (Polka)	SA252-107	1976	Golden Delicious x McIntosh Wjicik	1986
Columnar dessert apple	Tuscan (Bolero)	SA256-24	1976	McIntosh Wjicik x Greensleeves	1986

Ornamental columnar apple	Maypole	SA244-20	1976	McIntosh Wijcik x <i>Malus baskatong</i>	1986
Raspberry	Augusta	3650/6	1973	Complex parentage includes Burnetholm Preussen, Pyne's Royal, Lloyd George, Newburgh and Joy	1988
Strawberry	Pandora	JILA 33	1979	(Von Humboldt x Redstar) x Merton Down	1988
Plum	Excalibur	WJ4	1970	Count d'Althans Gage open pollinated	1989
Plum	Avalon	WJ10	1970	Reeves open pollinated	1989
Columnar culinary apple	Charlotte	SA219-25	1975	McIntosh Wijcik x Greensleeves	1989
Strawberry	Pegasus	ES608	1977	Redgauntlet x Gorella	1989
Raspberry	Autumn Cascade	4395/65	1976	Complex parentage includes Lloyd George, Zeva Herbsternte, <i>Rubus arcticus</i> , <i>R. idaeus strigosus</i> , <i>R. occidentalis</i> and <i>R. odoratus</i>	1990
Strawberry	Calypso	EMR28	1985	Rapella x Selva	1991
Strawberry	Tango	EMR25	1985	Rapella x Selva	1992
Columnar dessert apple	Obelisk (Flamenco)	SA54-81	1971	(Cox x Court Pendu Plat) x McIntosh Wijcik	1992
Raspberry	Autumn Britten	3676/6	1973	Complex parentage; sib of Autumn Bliss	1993
Raspberry	Autumn Cygnet	4395/75	1976	Complex parentage; sib of Autumn Cascade	1993
Strawberry	Marshmello	EM224	1985	Honeoye x Hapil	1995
Raspberry	Gaia	3655/48	1973	Complex parentage includes Burnetholm, Lloyd George, Norfolk Giant, Malling Landmark, Pyne's Royal, Preussen, Reid's Seedling, Latham, Newburgh, Canby and <i>R. occidentalis</i>	1995
Raspberry	Julia	4301/8	1975	Complex parentage includes Burnetholm, Devon, Lloyd George, Malling Jewel, Malling Landmark, Malling Promise, Norfolk Giant, Preussen, Pyne's Royal, Chief, Newburgh, Viking and <i>R. occidentalis</i>	1995
Strawberry	Emily	EM426	1988	Honeoye x Gea	1995
Ornamental columnar apple	Totem	SA572-2	1983	(Ottawa 521 x <i>M. zumi</i> open pollinated) x Maypole	1996
Hop	Admiral	RH40	1984	1/73/234 x male 32/73/20	1996
Hop	First Gold	S4	1985	Whitbread Golding Variety x 23/77/56	1996
Hop	Herald	W8	1984	34/73/11 x 23/77/56	1996
Hop	Phoenix	TC105	1985	Yeoman x 38/77/14	1996
Hop	Pioneer	W10	1984	34/73/11 x 23/77/56	1996
Strawberry	Laura	EM396	1987	Complex pedigree EM147 x EM86	1996
Strawberry	Eros	EM220	1985	Elsanta x Allstar	1997

Strawberry	Florence	EM372	1987	Complex pedigree EM20 x LA657	1997
Strawberry	Sophie	EM341	1987	(Hapil x Streamliner) x Kent	1997
Redcurrant	Redpoll	1503/11	1973	Red Lake x ( <i>Ribes longeracemosum</i> x <i>R. multiflorum</i> )	1997
Redcurrant	Redwing	1503/35	1973	Red Lake x ( <i>Ribes longeracemosum</i> x <i>R. multiflorum</i> )	1997
Blackcurrant	Farleigh	1661/150	1976	BC <sub>2</sub> <i>Ribes bracteosum</i> x BC <sub>3</sub> from gooseberry	1997
Blackcurrant	Foxendown	1840/121	1980	Ben Lomond x (BC <sub>3</sub> from gooseberry x BC <sub>2</sub> <i>R. glutinosum</i> )	1997
Strawberry	Perfection	LA934	1982	Complex x Rainer	1998
Apple	Saturn	SA15-4	1970	PRI 1235 x Starkspur Golden Delicious	1998
Gooseberry	Pax	1815/123	1979	Whinham's Industry x a derivative of Captivator x Lancashire Lad	1999
Strawberry	Bolero	EMR63	1987	Complex parentage includes Redgauntlet, Wiltguard, Gorella, Cardinal and Selva	1999
Strawberry	Rosie	EM575	1990	Honeoye x ITA 80-52-1 (complex)	1999
Raspberry	Autumn Byrd	5961/24	1982	Autumn Bliss x EM5326/1 (complex; BC <sub>3</sub> <i>R. spectabilis</i> plus <i>arcticus</i> , <i>odoratus</i> , <i>idaeus strigosus</i> , <i>occidentalis</i> and <i>crataegifolius</i> ancestors)	1999
Apple	Meridian	A931-15	1979	Cox's Orange Pippin x Falstaff	199
Ornamental elderberry	Gerda (Black Beauty)	528-180	1993	( <i>Fastigiata</i> x Guincho Purple) x ( <i>Fastigiata</i> x Guincho Purple)	1999
Strawberry	Alice	EM726	1992	Complex pedigree EM474 x EM478	2000
Timber cherry	Wildstar™	Malling clones 1-8		Clones 1-3 <i>Prunus avium</i> 1/3 open pollinated, Clones 4-8 wild <i>P. avium</i> accessions collected in England	2000
Ornamental hop	Prima Donna	S4 (First Gold)	1985	Whitbread Golding Variety x 23/77/56	2000
Cherry	Penny	C73-5	1987	Colney x Inge	2001
Apple rootstock	M.116	AR 86-1-25	1965	MM.106 x M.27	2001
Quince rootstock	EMH	QR 193-16	1969	C51 open pollinated	2001
Hop	Pilgrim	P38	1988	38/82/15 x male 23/77/56	2001
Hop	Pilot	S24	1991	Pioneer open pollinated	2001
Raspberry	Octavia	6512/50	1992	Complex pedigree Glen Ample x EM 5928/114	2002
Raspberry	Valentina	6432/71	1989	Complex pedigree EM6225/11 x EM5588/81	2002
Apple	Park Farm Pippin	E11-20	1981	Falstaff x A 409-21	2002
Ornamental hop	Diva (Golden Tassels)	40/97/1	1997	Prima Donna x Heachams wild	2002

Strawberry	Flamenco	EMR154	1994	Evita x EMR77	2002
Strawberry	Mae	EM884	1994	Rosie x Marmolada	2003
Ornamental elderberry	Eva (Black Lace)	595-35	1995	[(Lacienata x Guincho Purple) x (Lacienata x Aurea)] <sup>2</sup>	2003
Hop	Boadicea	OR 423	1992	23/90/58 open pollinated	2004
Pear	Nuvar® Anniversary	P15-157	1968	Williams x Conference	2005
Pear	Nuvar® Celebration	PB30-6	1972	Conference x Packhams Triumph	2005