



Tree Species

A document listing the tree species included in the 2011 Production Forecast

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Introduction

The following is the list of species used within the Forecast System.

Species are ordered alphabetically by common name within species group.

Key to column headings:

- Species code:** The Forestry Commission's standard two- or three-letter species code (used, for example, within the sub-compartment database and on stock maps).
- Common name:** The usual [English-language] name(s) by which the species are commonly known in Great Britain.
- Botanical name:** The standard scientific species name.
- Species group:** The broad botanical group to which the species has been assigned.
- Min. YC:** The minimum modelled yield class within the forecast.
- Max. YC:** The maximum modelled yield class within the forecast.
- Model used:** The growth and yield model used by the Forecast System for the species in question.

CONIFEROUS TREE SPECIES MODELLED WITHIN THE FORECAST SYSTEM						
Species code	Common name	Botanical name	Species group	Min. YC	Max. YC	Model used
CAT	Atlas cedar	<i>Cedrus atlantica</i>	Cedar	10	22	NF
LCD	Cedar of Lebanon	<i>Cedrus libani</i>	Cedar	10	22	NF
XCD	other Cedar	<i>Cedrus</i> spp.	Cedar	10	22	NF
LC	Lawsons cypress	<i>Chamaecyparis lawsoniana</i>	Cypress	12	24	RC
LEC	Leyland cypress	<i>Cupressocyparis leylandii</i>	Cypress	12	24	RC
RC	Western red cedar	<i>Thuja plicata</i>	Cypress	12	24	RC
BMF	Bornmullers fir	<i>Abies bornmuelleriana</i>	Fir	10	22	NF
DF	Douglas fir	<i>Pseudotsuga menziesii</i>	Fir	8	24	DF
ESF	European silver fir	<i>Abies alba</i>	Fir	10	22	NF
GF	Grand Fir	<i>Abies grandis</i>	Fir	12	30	GF
GKF	Grecian fir	<i>Abies cephalonica</i>	Fir	10	22	NF
NF	Noble fir	<i>Abies procera</i>	Fir	10	22	NF
NMF	Nordmann fir	<i>Abies nordmanniana</i>	Fir	10	22	NF
RF	Red (pacific silver) fir	<i>Abies amabilis</i>	Fir	12	30	GF
WH	Western hemlock	<i>Tsuga heterophylla</i>	Fir	12	24	WH
XF	other firs (Abies)	<i>Abies</i> spp.	Fir	10	22	NF
EL	European larch	<i>Larix decidua</i>	Larch	4	12	EL
HL	Hybrid larch	<i>Larix x eurolepis</i>	Larch	4	14	JL
JL	Japanese larch	<i>Larix kaempferi</i>	Larch	4	14	JL
XL	other larches	<i>Larix</i> spp.	Larch	4	12	EL
MC	Mixed conifers		Other conifers	6	22	NS
XC	other conifers		Other conifers	6	22	NS
AUP	Austrian pine	<i>Pinus nigra var nigra</i>	Pine	6	20	CP
BIP	Bishop pine	<i>Pinus muricata</i>	Pine	6	20	LP
CP	Corsican pine	<i>Pinus nigra var maritima</i>	Pine	6	20	CP
LP	Lodgepole pine	<i>Pinus contorta</i>	Pine	4	14	LP
MAP	Maritime pine	<i>Pinus pinaster</i>	Pine	4	14	LP
MCP	Macedonian pine	<i>Pinus peuce</i>	Pine	4	14	CP
MOP	Mountain pine	<i>Pinus uncinata</i>	Pine	4	14	SP
PAR	Armand's pine	<i>Pinus armandii</i>	Pine	4	14	SP
PAY	Mexican white pine	<i>Pinus ayacahuite</i>	Pine	4	14	SP
PBR	Calabrian pine	<i>Pinus brutia</i>	Pine	4	14	SP
PDP	Ponderosa pine	<i>Pinus ponderosa</i>	Pine	6	20	SP

CONIFEROUS TREE SPECIES MODELLED WITHIN THE FORECAST SYSTEM						
Species code	Common name	Botanical name	Species group	Min. YC	Max. YC	Model used
PEL	Slash pine	<i>Pinus ellottii</i>	Pine	4	14	LP
PKO	Korean pine	<i>Pinus koreana</i>	Pine	4	14	SP
PMO	Western white pine	<i>Pinus monticola</i>	Pine	4	14	LP
PTA	Loblolly pine	<i>Pinus taeda</i>	Pine	6	20	CP
PWA	Bhutan pine	<i>Pinus wallichiana</i>	Pine	4	14	SP
PYU	Yunnan pine	<i>Pinus yunnanensis</i>	Pine	4	14	SP
RAP	Monterey pine	<i>Pinus radiata</i>	Pine	6	20	CP
SP	Scots pine	<i>Pinus sylvestris</i>	Pine	4	14	SP
WEP	Weymouth pine	<i>Pinus strobus</i>	Pine	4	14	SP
XP	other pines	<i>Pinus spp.</i>	Pine	4	14	SP
JCR	Japanese cedar	<i>Cryptomeria japonica</i>	Sequoia	12	24	RC
RSQ	Coast redwood	<i>Sequoia sempervirens</i>	Sequoia	12	30	GF
WSQ	Wellingtonia	<i>Sequoiadendron giganteum</i>	Sequoia	12	30	GF
NS	Norway spruce	<i>Picea abies</i>	Spruce	6	22	NS
OMS	Serbian spruce	<i>Picea omorika</i>	Spruce	6	22	NS
ORS	Oriental spruce	<i>Picea orientalis</i>	Spruce	6	22	NS
SS	Sitka spruce	<i>Picea sitchensis</i>	Spruce	6	24	SS
XS	other spruces	<i>Picea spp.</i>	Spruce	6	22	NS
YEW	Yew	<i>Taxus baccata</i>	Yew	6	22	SP

BROADLEAVED TREE SPECIES MODELLED WITHIN THE FORECAST SYSTEM						
Species code	Common name	Botanical name	Species group	Min. YC	Max. YC	Model used
AR	Alder	<i>Alnus</i> spp.	Alder	4	12	BI
CAR	Common alder	<i>Alnus gultinosa</i>	Alder	4	12	BI
GAR	Grey alder	<i>Alnus incana</i>	Alder	4	12	BI
IAR	Italian alder	<i>Alnus cordata</i>	Alder	4	12	BI
RAR	Red alder	<i>Alnus rubra</i>	Alder	4	12	BI
VAR	Green alder	<i>Alnus viridis</i>	Alder	4	12	BI
AH	Ash	<i>Fraxinus excelsior</i>	Ash	4	12	AH
FAM	White ash	<i>Fraxinus americana</i>	Ash	4	12	AH
FAN	Narrow-leafed ash	<i>Fraxinus angustifolia</i>	Ash	4	12	AH
FPE	Red ash	<i>Fraxinus pennsylvanica</i>	Ash	4	12	AH
BE	Beech	<i>Fagus sylvatica</i>	Beech	4	10	BE
FOR	Oriental beech	<i>Fagus orientalis</i>	Beech	4	10	BE
BI	Birch (downy/silver)	<i>Betula pubescens/pendula</i>	Birch	4	12	BI
BPA	Paper-bark birch	<i>Betula papyrifera</i>	Birch	4	12	BI
HBM	Hornbeam	<i>Carpinus betulus</i>	Birch	4	10	BE
PBI	Downy birch	<i>Betula pubescens</i>	Birch	4	12	BI
SBI	Silver birch	<i>Betula pendula</i>	Birch	4	12	BI
XBI	other birches	<i>Betula</i> spp.	Birch	4	12	BI
BOX	Box	<i>Buxus</i> spp.	Box	4	4	BI
BCH	Bird cherry	<i>Prunus padus</i>	Cherry	4	12	BI
PSP	Blackthorn	<i>Prunus spinosa</i>	Cherry	4	4	SY
WCH	Wild cherry/gean	<i>Prunus avium</i>	Cherry	4	12	BI
XCH	other cherry spp.	<i>Prunus</i> spp.	Cherry	4	12	BI
HCH	Horse chestnut	<i>Aesculus hippocastanum</i>	Chestnut	4	12	SY
SC	Sweet chestnut	<i>Castanea sativa</i>	Chestnut	4	10	BE
EEM	English elm	<i>Ulmus procera</i>	Elm	4	10	EM
EM	Elm	<i>Ulmus</i> spp.	Elm	4	10	EM
SEM	Smooth-leaved elm	<i>Ulmus carpinifolia</i>	Elm	4	10	EM
WEM	Wych elm	<i>Ulmus glabra</i>	Elm	4	10	EM
EGU	Cider gum	<i>Eucalyptus gunnii</i>	Eucalyptus	4	14	PO
ENI	Shining gum	<i>Eucalyptus nitens</i>	Eucalyptus	4	14	PO
XEU	other Eucalyptus	<i>Eucalyptus</i> spp.	Eucalyptus	4	14	PO
HAZ	Hazel	<i>Corylus avellana</i>	Hazel	4	12	BI

BROADLEAVED TREE SPECIES MODELLED WITHIN THE FORECAST SYSTEM						
Species code	Common name	Botanical name	Species group	Min. YC	Max. YC	Model used
HOL	Holly species	<i>Ilex</i> spp.	Holly	4	4	SY
CLI	Common lime	<i>Tilia europaea</i>	Lime	4	10	AH
LI	Lime	<i>Tilia</i> spp.	Lime	4	10	AH
LLI	Large-leaved lime	<i>Tilia platyphyllos</i>	Lime	4	10	AH
SLI	Small-leaved lime	<i>Tilia cordata</i>	Lime	4	10	AH
AMA	Big leaf maple	<i>Acer macrophyllum</i>	Maple	4	12	SY
ASA	Silver maple	<i>Acer saccharinum</i>	Maple	4	12	SY
FM	Field maple	<i>Acer campestre</i>	Maple	4	12	SY
NOM	Norway maple	<i>Acer platanoides</i>	Maple	4	12	SY
SY	Sycamore	<i>Acer pseudoplatanus</i>	Maple	4	12	SY
NPU	Lenga	<i>Nothofagus pumilio</i>	Nothofagus	12	18	BE
RAN	Raoul/rauli	<i>Nothofagus nervosa</i>	Nothofagus	10	18	BE
RON	Roble	<i>Nothofagus obliqua</i>	Nothofagus	10	18	BE
XNO	other Nothofagus	<i>Nothofagus</i> spp.	Nothofagus	10	18	BE
OK	Oak (robur/petraea)	<i>Quercus</i> spp.	Oak	4	8	OK
POK	Pedunculate/common oak	<i>Quercus robur</i>	Oak	4	8	OK
QAL	White oak	<i>Quercus alba</i>	Oak	4	8	OK
QCE	Turkey oak	<i>Quercus cerris</i>	Oak	4	8	OK
QFR	Hungarian oak	<i>Quercus frainetto</i>	Oak	4	8	OK
QIL	Holm oak	<i>Quercus ilex</i>	Oak	4	8	OK
QPU	Downy oak	<i>Quercus pubescens</i>	Oak	4	8	OK
QPY	Pyrenean oak	<i>Quercus pyrenaica</i>	Oak	4	8	OK
ROK	Red oak	<i>Quercus borealis</i>	Oak	4	10	BE
SOK	Sessile oak	<i>Quercus petraea</i>	Oak	4	8	OK
XOK	other oak spp.	<i>Quercus</i> spp.	Oak	4	8	OK
MB	Mixed broadleaves		Other broadleaves	4	12	SY
XB	other broadleaves		Other broadleaves	4	12	SY
LPL	London plane	<i>Platanus x acerifolia</i>	Plane	4	12	SY
XPL	Plane spp.	<i>Platanus</i> spp.	Plane	4	12	SY
ASP	Aspen	<i>Populus tremula</i>	Poplar	4	14	PO
BPO	Black poplar	<i>Populus nigra</i>	Poplar	4	14	PO
GPO	Grey poplar	<i>Populus canescens</i>	Poplar	4	14	PO
PO	Hybrid poplar	<i>Populus serotina/trichocarpa</i>	Poplar	4	14	PO
WPO	White poplar	<i>Populus alba</i>	Poplar	4	14	PO

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Species code	Common name	Botanical name	Species group	Min. YC	Max. YC	Model used
XPO	other poplar spp.	<i>Populus</i> spp.	Poplar	4	14	PO
CAP	Crab apple	<i>Malus sylvestris</i>	Sorbus	4	4	SY
HAW	Hawthorn species	<i>Crataegus</i> spp.	Sorbus	4	4	BI
ROW	Rowan	<i>Sorbus aucuparia</i>	Sorbus	4	12	BI
WHI	Whitebeam	<i>Sorbus aria</i>	Sorbus	4	12	BI
WST	Wild service tree	<i>Sorbus torminalis</i>	Sorbus	4	12	BI
TUL	Tulip tree	<i>Liriodendron tulipifera</i>	TulipTree	4	10	BE
COV	Shagbark hickory	<i>Carya ovata</i>	Walnut	4	10	OK
JNI	Black walnut	<i>Juglans nigra</i>	Walnut	4	8	OK
JRE	Common walnut	<i>Juglans regia</i>	Walnut	4	8	OK
XWA	other walnut	<i>Juglans</i> spp.	Walnut	4	8	OK
CWL	Crack willow	<i>Salix fragilis</i>	Willow	4	4	BI
GWL	Goat willow	<i>Salix caprea</i>	Willow	4	4	BI
SCI	Grey willow	<i>Salix cinerea</i>	Willow	4	4	BI
WWL	White willow	<i>Salix alba</i>	Willow	4	8	BI
XWL	other willows	<i>Salix</i> spp.	Willow	4	4	BI