



**resista<sup>®</sup>**

*ULMUS 'New Horizon'*



*ULMUS 'Rebona'*



*ULMUS 'Fiorente'*



*ULMUS 'Rebella'*



ELMS – LUNGS OF THE CITY.





## IN MANY ASPECTS THE ELM IS TOP.

### TRIED AND TESTED

Since more than 50 years *resista*® elms are distributed all over the United States of America and Canada and since more than 35 years all over Europe. Of one variety alone – ‘New Horizon’ – over 50.000 trees can be visited in more than 15 European countries.

### TESTED RESISTANCE

All varieties with the label *resista*® are vital, healthy and extremely resistant against Dutch Elm Disease (*Ophiostoma novo-ulmi*) which is tested regularly by artificial infections.

### TOLERANT TO CLIMATIC STRESS IN CITIES

*resista*® elms show a very good performance in cities on compact soils, are tolerant to exhaust fumes, salt treatments against ice and drought.

### OTHER POSITIVE FEATURES

*resista*® elms stand storms and can stand frost periods; especially the varieties bred by the Wisconsin University have survived temperatures as low as minus 35° Celsius. Flooding, persisting even for several weeks, even by salt water are tolerated well by *resista*® elms. They are well suited to be planted along waterfronts.

### GOOD NEIGHBORS

As with native elms in autumn, the leaves decompose readily, nothing annoys cars parked underneath; their leaves filter dust and, on top of all, they improve the air quality.

### TOUGH TREES

Bark injured by traffic selfheals quickly. Tolerant to heavy cutbacks, even underground.



# resista<sup>®</sup> ULMUS NEW HORIZON

ULMUS 'New Horizon' is a hybrid of ULMUS japonica x ULMUS pumila bred by Prof. Smalley and Prof. Guries, Madison University, Wisconsin / USA.

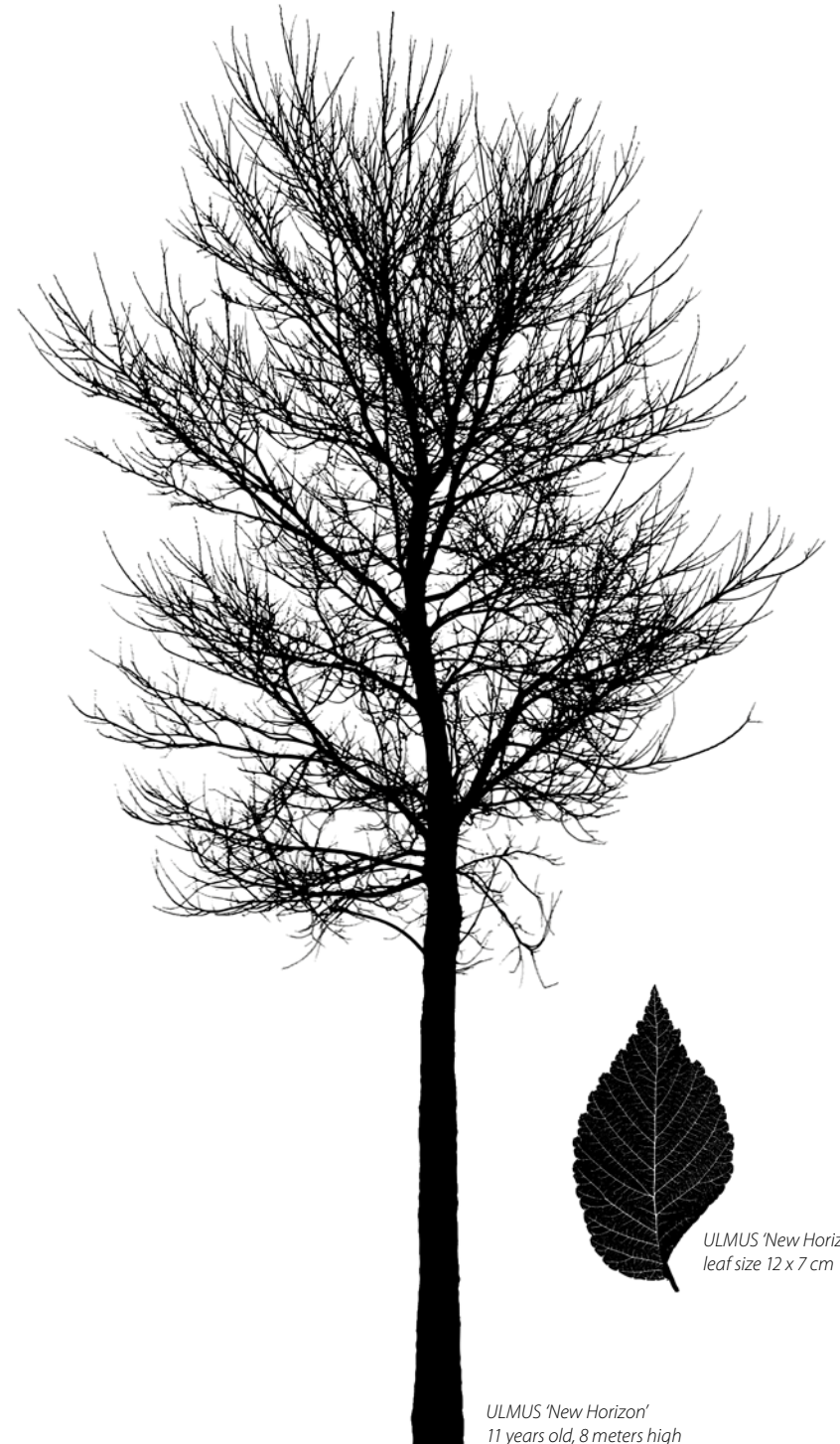
'New Horizon' is a fast-growing tree of medium height, the crown is dense, oval to conic. The trunk thickens fast; the dense growing, healthy leaves create a highly aesthetic appearance. The bark is light colored brown, sometimes reddish; the bark is smooth until the tree is about five years old, then cracked.

This variety is perfect suited as street-tree in cities and along roads by its compact growth and its tolerance to different light profiles; excellent tolerance to locations with varying conditions of soil; resistant to wind, frost. As soon as they have adapted to the surrounding after two years, they show an astonishing tolerance to drought. They like soils of pH 5.0 to 7.0, most any soil types and tolerate flooding for some weeks.

## ADVANTAGES

Very high resistance to Dutch Elm Disease (*Ophiostoma novo-ulmi*), regularly tested since 1979 by own and official tests; highly tolerant versus *Verticillium*; very tolerant to frost, wind and salt.

*Protected by plant breeder's rights in the E.U. since 17.5.1999.*



ULMUS 'New Horizon'  
leaf size 12 x 7 cm

ULMUS 'New Horizon'  
11 years old, 8 meters high













ULMUS 'Rebona' is a hybrid of ULMUS japonica x ULMUS pumila bred by Prof. Smalley and Prof. Guries, Madison University, Wisconsin / USA. It is a sibling to ULMUS 'New Horizon'.

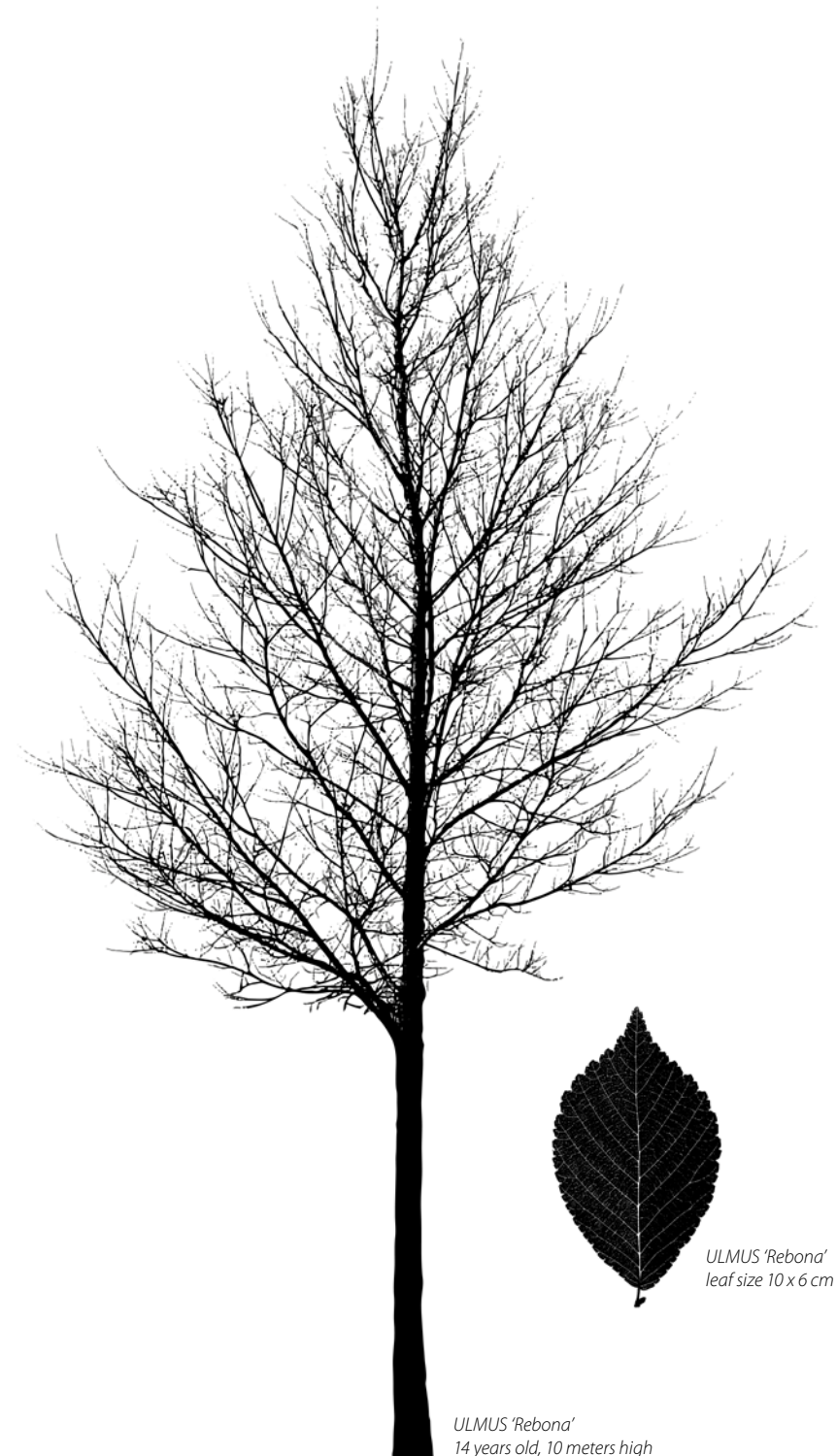
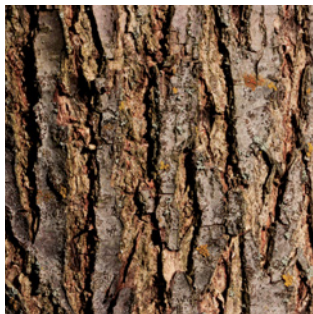
'Rebona' is a fast-growing middle-high to high elm with an erect leader often through to the top; the crown is egg-shaped and compact, similar to 'New Horizon', but the leaves are a little darker and smaller.

Very tolerant to soil and water supply this variety shows excellent resistance to wind and adverse temperature conditions after the roots are well established; ideal are sunny locations and pH between 5.0 and 7.0; tolerant to flooding, even for several weeks; since the salt tolerance is good, 'Rebona' could be planted near the seashore.

### ADVANTAGES

Very high resistance against Dutch Elm Disease (*Ophiostoma novo-ulmi*) proven by regular testing confirmed by official institutions since 1979; high tolerance against *Verticillium*. Very vital and robust variety by all aspects.

*Protected by plant breeder's rights in the E.U. since 19.10.1998.*



ULMUS 'Rebona'  
leaf size 10 x 6 cm

ULMUS 'Rebona'  
14 years old, 10 meters high













# resista<sup>®</sup> ULMUS REBELLA

ULMUS 'Rebella' is a hybrid of ULMUS parvifolia x ULMUS americana bred by Prof. Smalley and Prof. Guries, Madison University Wisconsin / USA.

'Rebella' is a small to middle sized tree. The top bends slightly over building a delicate fine loose crown with small and narrow leaves which turn to a reddish-orange color in autumn. The bark is silvery grey-green until the age of about six years and then turns to reddish-brown. So far we have not seen seed setting on this variety. The leaves decompose quickly after fall.

'Rebella' is well suited for streets in cities and parks as well as for private gardens.

## ADVANTAGES

Because of the size of the tree 'Rebella' is best suited for gardens. The resistance against Dutch Elm Disease (*Ophiostoma novo-ulmi*) is very high.

*Protected by plant breeder's rights in the E.U. since 7.3.2011.*



ULMUS 'Rebella'  
leaf size 4,5 x 2,5 cm

ULMUS 'Rebella'  
9 years old, 6 meters high



*ULMUS 'Rebella'*  
Brandschneise, Darmstadt, Germany







# resista<sup>®</sup> ULMUS FIORENTE

ULMUS 'Fiorente' is a hybrid of ULMUS pumila x ULMUS minor bred by Prof. Lorenzo Mitterpergher and Dr. Alberto Santini of C.N.R. Firenze / Italy.

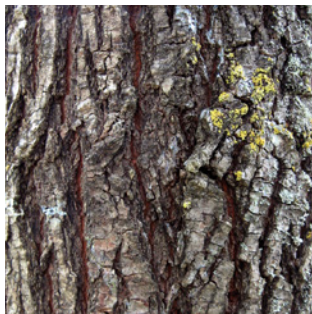
The name of the variety reflects the origin but also the flower aspect of the tree in spring. 'Fiorente' is a significant and erect tree with yellowish leaves in spring which turn to a dark green; they stay green longer in autumn as with other elm varieties. The bark is greyish green with a silvery aspect and turns reddish brown with the years. As a tree for the city 'Fiorente' convinces by the loose yet elegant habitus, the branches getting steeper and the trunk very straight to the top.

Tests by the breeder Dr. Santini near Firenze showed excellent growth rates: In 23 years after establishing the cutting the glass house, the tree reached 20 m in height with a circumference 1 m above ground of 160 cm. 'Fiorente' therefore is very interesting for furniture wood production.

## ADVANTAGES

Very high resistance to Dutch Elm Disease (*Ophiostoma novo-ulmi*), excellent resistance to wind-break and drought.

*Protected by plant breeder's rights in the E.U. since 25.3.2010.*



ULMUS 'Fiorente'  
leaf size 7 x 4,5 cm

ULMUS 'Fiorente'  
7 years old, 6 meters high









## OUR PROMISE

All resista® elms are produced by cuttings exclusively by ourselves. They all are growing on their own roots. With grafted elms there is a risk that the root part does not harmonize with the upper part and may be a risk for breaking of the grown-up tree. Also, there might be a risk of infection by root contact with another elm, especially when planted in a row. We exclude those risks with our method.

## SAFETY GUARANTEED

Since 2003 every resista® elm tree has an implanted transponder. Therefore every resista® elm can be identified individually. We only give those trees to selected nurseries so that customers through-

out Europe can find a reliable supplier in their region. Each tree is delivered together with a certificate of authenticity.

## TRADEMARK

By the trademark resista® our varieties are protected as well as by their inscription into the E.U. variety list. **resista® – the original.**

*RFID Transponder*



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GmbH + Co KG

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