

Evaluation of the planting stock quality



The quality of the planting stock

is evaluated according to:


a, genetic characteristics,

b, morphological characteristics,

c, physiological characteristics,

d, health condition.

Morphological characteristics:

- Exactly or visually measurable parameters
 - Above-ground part (AG) – root system (RS)
 - According to tree species, the type of planting stock and height range
 - ◆ height above-ground part
 - ◆ form of the above-ground part
 - ◆ root collar diameter
 - ◆ ratio of root system volume to above-ground part volume
 - ◆ proportion of fine roots in the overall root system volume
 - ◆ tap root length
 - ◆ root system architecture
 - ◆ maximum diameter of cuts
- 
- A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, partially overlapping the text area.

Physiological characteristics

- Parameters that are hardly detectible
- What happens inside the plant
 - ◆ water content in tissues
 - ◆ plant reserve content
 - ◆ degree of vegetative rest (dormancy)
 - ◆ condition of terminal buds
 - ◆ root growth potential
 - ◆ condition of mycorrhiza



The quality of the planting stock

According to Decree 29/2004 Coll. to the Act on Trade in Forest Reproductive Material No. 149/2003 Coll., the quality of the planting stock is evaluated according to:

- a, root collar diameter,
- b, height above-ground part,
- c, maximum age,
- d, forbidden form deformations,
- e, ratio of root system volume to above-ground part volume.

ČSN 48 2115 Standard planting stock: up to 5%


ČSN 48 2115

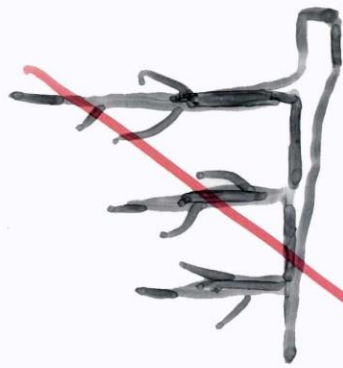
Form of the above-ground part:

- ◆ straight trunk
- ◆ regularly placed side branches and buds
- ◆ mature, intact, viable terminal buds
- ◆ no mechanical damage (shaping exception)
- ◆ multi-trunk plants are forbidden

ČSN 48 2115

Root system form:

- ◆ no mechanical damage
 - ◆ shaping up to 6 mm of cuts is allowed
 - ◆ suitable root system architecture
- 
- A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, adding a decorative element to the background.



Flag-form



**Vertical
flatterer**



**Horizontal
flatterer**



Tangle



**Deformation
into J-L**



**Deformation
into U**

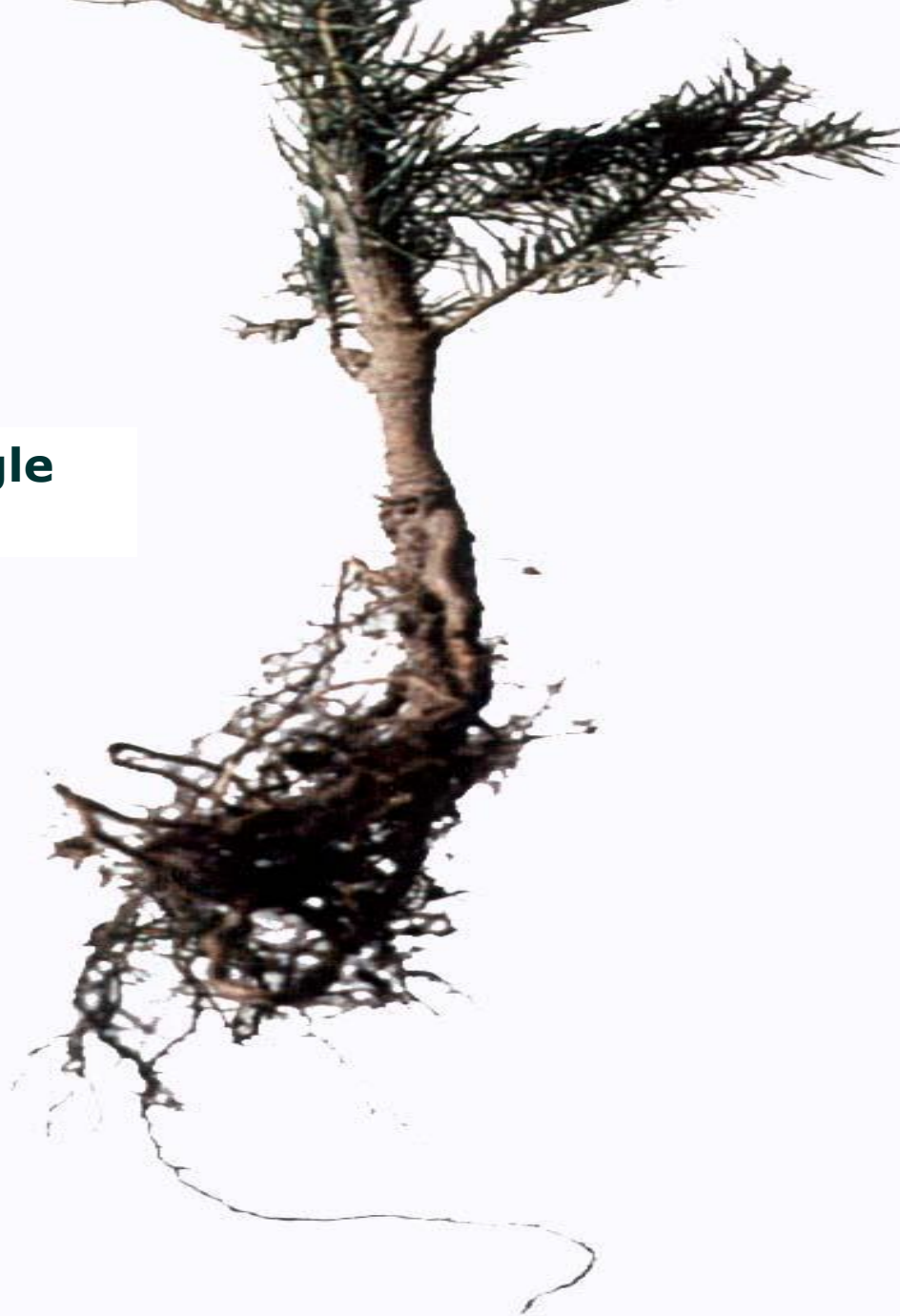
Flag-form



**Vertical
flattering**



Tangle



Tangle





**Deformation
into J-L**



**Deformation
into U**