

Prices in forestry

I. Definition and content

Timber price index is calculated from the average contractual (realization) prices exclusive of VAT. Realization prices are the prices of supplies of timber for the CR. In the case of coniferous species 13 representatives are involved, in the case of broad-leaved species 10 representatives.

II. Sources and methodology of ascertainment

The realization prices of timber are reported by the selected reporting units in forestry for the selected representatives on the statement Prices - forestry 1-12. The timber price index is calculated by the Czech Statistical Office on a monthly basis.

III. Break-down

The indices published in the database are the following:

Period: 1994 – 2000

a) December 1993 = 100

b) same period of last year = 100

c) previous month = 100

d) 1994 average = 100

Period: 2001-2005

December 1999 = 100

same period of last year = 100

previous month = 100

2000 average = 100

The total index is broken down into:

- coniferous species,
- broad-leaved species.

IV. Method of calculation

Timber price indices are calculated as selection indices, i.e. on the basis of the prices of selected representatives of timber.

The individual price indices of the representatives are aggregated into total indices of groups of representatives and subsequently into the total index of the entire set.

The aggregation is carried out in the form of a weighted arithmetic average of the individual indices where the values of revenues in the determined year are used as constant weights. (The 1994 methodology - revenues of the year 1993, the 2000 methodology - revenues of the year 1999).

The calculation is carried out according to the Laspeyres formula:

$$I = \frac{\sum \frac{p_1}{p_0} \cdot p_0 \cdot q_0}{\sum p_0 \cdot q_0} \cdot 100$$

p_1 - price in the period under review

p_0 - price in the basic period

$p_0 q_0$ - constant weight - value indicator of the basic period (the revenues in 1993 or 1999)

The Laspeyres formula with constant weights, which is used, measures the so-called "net price changes".

V. Changes in methodology

- Revisions of the price indices were carried out with the determination of the following years as the basic, “zero” years:
 - 1993
 - 1999
- Apart from the revisions, no significant changes are carried out.

VI. Reporting entities

The reporting entities are selected organizations from the forestry industry.