

METHODOLOGY NOTES

The Czech Statistical Office harmonized in the year 2011 crop statistical survey according to the new Regulation (EC) 543/2009 of the European Parliament and of the Council which is valid for the member states of the European Union. The range of the statistical survey (selected sample of reporting units) is derived from updated Farm register. Data collection by entrepreneurial subjects is on the basis of sample selection and results are grossed up by using of mathematical-statistical methods at the level NUTS 3 (there are 14 regions in the Czech Republic).

Actual harvested amount of crops is calculated from the acreage of sowing areas which are surveyed yearly as at 31 May. As far as grain maize and green maize used for silage are re-classified in connection with weather in a given year. Yield of crop per 1 ha is calculated as the share of harvested production and production area of a respective crop.

Cereals harvested for grain is net, not in mixtures. Maize harvested for silage is recorded as green maize in the group of fodder crops on arable land. Mixed cereals, including oats-barley mixtures; millet, buckwheat, sorghum, corn-cob-mix and other species harvested for grain are included in the item of "other cereals". Ergotic rye is included just with the area proportional to grain production resting area of ergotic rye (not used for grain production) is included in the item of "medicinal plants".

Fodder pulses, pulses mixtures and leguminous-cereal mixtures harvested for grain production (for harvest of mixtures, give the amount of grain harvested in total – i.e. the amount of pulses and cereals altogether) are recorded in the item of "other legumes". Under the item "grain plants total" are recorded cereals and legumes in total. As early potatoes are considered those ones harvested before 30 June. Potatoes used for food and for industrial processing belong under item of "other potatoes". Seed potatoes are presented separately since 2006. Production of sugar beet is recorded in net weight minus contaminants. Under item of "other root crops" are indicated harvest of Swedes, fodder beet, fodder carrot, pumpkin, Jerusalem artichoke, fodder turnip etc.

Rape is recorded individually. Turnip rape, cramble, safflower etc. are included together under "other oleaginous plants". Item "flax seed" includes flax harvested for seeds only. Item of "spice plants" includes marjoram, caraway, anise, coriander, spice paprika, fennel and other spice (aromatic) plants. Medicinal plants are recorded including ergot rye (harvest of ergot rye only refers to the area not used for harvest of grain). Under "other industrial plants" are recorded chicory (net weight minus contaminants), fibre flax, tobacco, quick-growing woody plants, *Miscanthus sinensis* etc. The item "energy crops" includes crops for energy purposes only.

Annual fodder crops (as main crops without intermediate crops and secondary ones) are stated in green stage, perennial fodder coming from all cuttings (without underplant crops) are recorded always in dry weight. Under "cereals harvested green" are recorded cereals harvested in milk ripeness or designed for rotary driers, spring mixtures and winter mixtures after which no main crop was sown. Annual leguminous plants include leguminous harvested in green stage for example field peas, vetch sow, vetchling pea, lupins and mixtures of cereals and legumes. Under other annual plants harvested green are plants cultivated as main crop (feeding mallow, phacelia). Under "other perennial crops" are included all perennial forage plants sown into haylage oat, once-cut clover, sainfoin and other perennial clover plants such as anthyllis, deer vetch, etc. Temporary grasses and grazing include, grassy area, sown or natural, for more than one and less than 5 years. In addition to the graminaceous plants and legumes quoted above, one finds fescues: bents, phalaris, meadowsgrasses, flying bentgrass, sweet vernal-grass, the small clovers. Other families are represented by the yarrow, the plantain, *Sanguisorba*, the dandelion.

Harvested areas of permanent meadows and pastures unlike all other fodder crops are recorded in terms of actual scope of harvest, in the case the area was cut green (fresh) or grazed by livestock the production is recounted into hay. Re-calculations into dry fodder or hay are carried out by fixed coefficients in agricultural household itself. Also areas of active vineyards and hop gardens relate to area which was harvested.

Areas of early, summer and late vegetables are calculated together, so called secondary areas (late after early) are not surveyed as danger of double counting of areas. Harvest of individual kind of fruit is surveyed by summarization of reports of agricultural households using sample selection and mathematical-statistical

methods for grossing up. Numbers of fruit trees and bushes are indicated regardless shape, age for both newly planted and overaged and not bearing.

Consumption of fertilizers is recalculated into the active substances (N, P₂O₅, K₂O) and is recorded for agricultural production year 2010/2011 (it means from 1 July 2010 to 30 June 2011). Consumption of fertilizers of small farms (individual farmers) is not included as they are not obliged to report that.

Data are summarized for total republic and at the NUT-3 level (regions). Published results are calculated from non-rounded values.