

Explanatory Notes on Main Statistical Indicators

Gross Output Value of Farming, Forestry, Animal Husbandry and Fishery refers to the total value of products of farming, forestry, animal husbandry and fishery, and total value of services rendered to support farming, forestry, animal husbandry and fishery activities. It reflects the total scale and results of agricultural production during a given period. Prior to 1957, China's gross agricultural output value included barnyard manure and handicraft products for self consumption (clothes, shoes, stockings, and initial grain processing undertaken by peasants). Since 1958, cutting and felling of bamboo and trees by villages and other cooperative organizations under villages have been included in forestry; value of barnyard manure has been excluded from animal husbandry; self consumed handicrafts has been excluded from sideline occupations, while the output value of industries run by villages and cooperative organizations under village had been included in sideline occupations and the output value of fish catches by motor fishing boats has been added to fishery. Since 1980, the value of handicraft products made for sale by individuals in households had been added to sideline occupations. Since 1984, industries run by villages and under villages have been included in the sector of industry. Since 1993, the subdivision of sideline occupations has been canceled, and the hunting of wild animals has been classified into animal husbandry, and the gathering of wild plants and commodity industry run by rural household have been included in farming. A new industrial classification of economic activities was introduced in 2003. Under the new classification, value of services to farming, forestry, animal husbandry and fishery is included in the gross output value of agriculture, (In the 2017 National Economic Industry Classification Standard, Farming, forestry, animal husbandry and fishery service was changed to Farming, forestry, animal husbandry and fishery professions and auxiliary activities).value of wood felling and transport is included in forestry, value of industrial output by rural households is not included in agriculture, and the collection of wild forest products is taken from agriculture and included in the forestry. The first agriculture census of China revealed some discrepancy between the production of animal products from the annual reports and that from the census. Efforts were made by the Rural Socio economic Survey Organization of NBS to adjust the output value of animal husbandry to make the figures from the annual reports consistent with the census data.

Gross output value of agriculture is obtained by first multiplying the output of each product or by product by its price, resulting in the output value of each single item. For a small number of products, annual output of which is not available or difficult to get due to the long production (growing) process involved, the output value is estimated through an indirect approach. The sum of output value of all products of farming, forestry, animal husbandry, fishery and output value of

agriculture, forestry, animal husbandry and fishery specialty and auxiliary activities then equal to the gross output value of agriculture.

Grain Output refers to the total output of grains produced within a calendar year. It includes summer crops, early rice and autumn crops by harvest seasons; and covers cereals, beans and tubers by type of crops. Output of cereals cover husked grain only. Output of beans refers to dry beans without pods. The output of tubers (sweet potatoes and potatoes, not including taros and cassava) are converted with the ratio of 4:1, i.e. 4 kilograms of fresh tubers were equivalent to 1 kilogram of grain before 1964. Since 1964 the ratio has been changed to 5:1. Tubers consumed as vegetables (such as potatoes) in cities and suburbs are calculated as fresh vegetables and their output is not included in the output of grain. Data on grain production before 1989 were obtained through the comprehensive statistical reporting system. Since 1989, data from sample surveys are used.

Cotton Output refers to the cotton production in the whole country including cotton sown in spring and in autumn. Output is measured as the weight of ginned cotton. Ceiba is not included.

Output of Oil-bearing Crops refers to the total production of oil bearing crops of various kinds, including peanuts, (dry, in shell) rapeseeds, sesame, sunflower seeds, flax seeds, and other oil bearing crops. Soybeans, oil bearing woody plants, and wild oil bearing crops are not included.

Output of Aquatic Products refers to catches of both artificially cultured and naturally grown aquatic products, including fish, shrimps, crabs and shellfish in sea and inland water as well as seaweed. Freshwater plants are not included. Data on output of aquatic products are reported by aquatic product and statistical agencies level by level. Before 1995, among the shellfish, the oyster was counted as fresh meat; 5 kilograms of ark shell, clams and frogs are equivalent to 1 kilogram of fresh aquatic products; they are all counted as fresh aquatic products since 1996.

Output of Pork, Beef, and Mutton refers to the meat of slaughtered hogs, cattle, sheep and goats with head, feet, and offal taken away. Data refers to the production of the whole country. The first agriculture census of China in 1996 revealed some discrepancy between the production of animal products from the annual reports and that from the census. Efforts were made by the Rural Socio economic Survey Organization of NBS to adjust the output value of animal husbandry to make the figures from the annual reports consistent with the census data. Since 1999, NBS conducted sample survey for the major animal husbandry products, such as hogs, cattle, sheep and goats and fowls, and the data from sample surveys are used as national finalized data. Those products, which are not covered by the sample survey, are still reported by statistical agencies level by

level.

Number of Livestock or Poultry in Stock at Beginning (or End) refers to the total number of large animals, pigs, sheep, fowls, (chicken, duck, goose) etc. raised by rural cooperative organizations, state farms, rural individuals, government agencies, schools, industrial and mining enterprises, army, and urban residents at the beginning (or end) of the reference period. Data reporting system and data adjustment are the same as that in the output of pork, beef and mutton.

Sown Area of Crops refers to area of land sown or transplanted with crops regardless of being in cultivated area or non cultivated area. Area of land re sown due to natural disasters is also included. This is an important indicator that can reflect the utilization condition of the cultivated land in China. At present, the sown area of crops mainly include the following 9 categories of crops: grain, cotton, oil bearing crops, sugar crops, fiber crops, Tobacco, Vegetables and melons, medicinal materials and other farm crops.

Consumption of Chemical Fertilizers in Agriculture refers to the quantity of chemical fertilizers applied in agriculture in the year, including nitrogenous fertilizer, phosphate fertilizer, potash fertilizer, and compound fertilizer.

The consumption of chemical fertilizers is required in calculation to convert the gross weight into weight containing 100% effective component (e.g. 100% nitrogen content in nitrogenous fertilizer, 100% phosphorous pent oxide contents in phosphate fertilizer, 100% potassium oxide contents in potash fertilizer). Compound fertilizer is converted with its major component. The formula is:

Volume of effective component=physical quantity×effective component of certain chemical fertilizer (%)

Total Power of Farm Machinery refers to total mechanical power of machinery used in farming, forestry, animal husbandry, and fishery, including ploughing, irrigation and drainage, harvesting, transport, plant protection, stock breeding, forestry and fishery. The power of internal combustion engines is required to convert horsepower into watts and the power of electric motors is required to be converted into watts. Machinery employed for non agricultural purposes, such as the machines used in township run and village run industry, construction, non agricultural transport, scientific experiments and teaching, is excluded. Data are mainly from agricultural machinery agencies.