

Analysis of Agriculture Modernizing State of Henan Province (PRC)

Xianzhi Feng

The Rural Socio-economic Survey Organization of Statistical Bureau of Henan Province
No.79 Hong Zhuan Road
Zheng Zhou, China
Email: nddxxc@371.net

Ruisheng Zong

The Rural Socio-economic Survey Organization of Statistical Bureau of Henan Province
No.79 Hong Zhuan Road
Zheng Zhou, China
Email: nddxxc@371.net

The reference index system of realizing agricultural modernization basically in the whole country, which the agriculture department put forward, can be divided into start standard, primary standard and basic standard. According to this index system, on the basis of the agriculture statistics in 1999, the current situation of agricultural modernization of Henan Province and comparison with the average national level are estimated as follows.

1. Social per capita gross domestic product

The larger this number, the more developed the whole society, the stronger the support to agriculture, and the more flourishing the market of the agricultural product. In 1999, per capita gross domestic product of Henan province is 4899 RMB, and according to the reference system, the per capita of gross domestic produce at the start stage is 6640 RMB, which is 1746 RMB more than that of Henan province in 1999.

2. Rural per capita net income.

The heavier this value, the stronger the farmer's input ability to agriculture. In 1999, per capita net income of the rural in Henan province is 1948.36 RMB, which is 1051.64 RMB less than the start stage standard value 3000 RMB.

3. The proportion of agricultural employment to social total employment.

The lower this value, the more developed the non-agricultural sectors. In 1999, agricultural employment of Henan Province accounts for 63.6% of the total social employment, which is much higher than that of start stage standard value 40%. Meanwhile, it is 13.5% more than the average national level, which is 50.1%.

4. The contribution rate of scientific and technological progress

This index reflects the influence of scientific and technological progress on agricultural production. In 1999, this index is 41%, which is 1-2% lower than the average national level and 4% lower than the value of the start standard.

5. The rate of agricultural mechanization

This index is the most basic index for weighting agriculture working condition. The total motive power of agricultural machinery on per hectare-cultivated land in Henan Province in 1999 is 6.59 kilowatts, which is 2.82 kilowatts more than the average national level of 3.77 kilowatts. According to the reference index system standard, the rate of agricultural mechanization in Henan province has gone beyond that of agricultural modernization start of 40%. But compare with the rate at the primary stage, there is a long way to go.

6. The proportion of people who passed junior middle school among the total agricultural population.

The proportion is 66.2% in 1999, which is higher than average national level of 57%, higher than the datum at the start stage of 55%, and close to the datum of 70% at the primary stage.

7. Per agricultural work force on gross domestic product.

This value indicates the realizing degree of agricultural income standard. In 1999, this value is 2681RMB, less than that at the start stage of 4980 RMB.

8. The total amount of grain products of per agricultural employee.

This datum of Henan province is 42,533,000,000 kilograms, so Henan Province is the second of the highest products' provinces and municipalities in China. But per capita grain amount is just 1,015.3 kilograms, lower than the average national level of 1.089.45 kilograms, so Henan Province is the 16th of 31 provinces and municipalities.

9. The total agricultural production value of per hectare-cultivated land

The total value of Henan Province is 3,526.63 RMB in 1999, higher than the average national level, and close to that at the primary stage.

10. The coverage rate of forest.

In 1999, the national average rate of forest is 19.83%, higher than the standard of the start stage of 16.55%, and close to the standard of the primary stage of 20%. The coverage rate of forest in Henan is 16.55%, which is 1.55% higher than the standard of the start stage.

From the above analyses, it can be concluded that among the ten indexes of the reference index system in national agriculture modernizing, there are 4 indexes in Henan province have already reached the standard of the start stage. The four indexes include the rate of agricultural mechanization, the proportion of people who passed junior middle school among the total agricultural population, the total agricultural production value of per hectare-cultivated land, and the coverage rate of forest. But the others are far away from the start stage standard of agriculture modernizing.