Research on the Growth Rate of China-Thailand Agriculture Import and Export Comparatively under the Background of the Belt and Road

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Abstract. In order to promote the agricultural cooperation between China and Thailand, this paper uses comparative research methods to study the growth rate of China-Thailand agriculture import and export comparatively under the background of the Belt and Road during the 30 years from 1981 to 2010. The results show that the growth rate of China-Thailand agriculture import and export is different. It can be concluded that the “One Belt, One Road” initiative is conducive to China and Thailand to play their respective advantages in agricultural products and promote the common development of agriculture between the two countries.

Introduction

The “Belt and Road” is the Silk Road Economic Belt and the 21st Century Maritime Silk Road. The implementation of this initiative will bring more development opportunities to countries along the route.

In 2013, China proposed to build the concept and advocacy of the “One Belt, One Road” common development. Grasping the historical opportunity of the construction of the “Belt and Road” initiative, actively promoting the in-depth cooperation and development between China and Thailand, integrating regional cooperation with the adjustment of agricultural industrial structure, continuously optimizing and improving the agricultural cooperation environment between China and Thailand, and improving the policy funding support system, it is of great significance to carry out agricultural cooperation between China and Thailand in channels and in wide areas. China and Thailand have strong agricultural complementarities and great potential for cooperation. Especially with the promotion of the “Belt and Road” construction, the cooperation space between China and Thailand will be further broadened. As an important hub of the Silk Road Economic Belt, Thailand will certainly play an important role in agricultural cooperation between China and Thailand.

Agricultural cooperation is the most important area of cooperation between China and Thailand. The Chinese and Thai governments are committed to promoting cooperation between the two countries in the agricultural sector.

Thailand is the intersection of the Silk Road Economic Belt and the 21st Century Maritime Silk Road. It is an important hub for the “Belt and Road”. The bilateral trade between China and Thailand is largely complementary.
Comparison of Agricultural Export Growth Rates between China and Thailand

China's Agricultural Product Export Growth Rate

China's agricultural exports and export growth rate in the 30 years from 1981 to 2010 are shown as Table 1.

Table 1. China's agricultural exports and export growth rate in the 30 years from 1981 to 2010.

| Year | 1981  | 1982  | 1983  | 1984  | 1985  | 1986  | 1987  | 1988  | 1989  | 1990  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Export amount | 4457.0 | 4301.0 | 4561.0 | 5217.9 | 5968.2 | 7075.7 | 8091.3 | 9633.9 | 9954.0 | 10059.8 |
| growth rate | 1.67 | -3.50 | 6.05 | 14.40 | 14.38 | 18.56 | 14.35 | 19.06 | 3.32 | 1.06 |

| Year | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|------|------|------|------|------|------|------|------|------|------|------|
| Export amount | 10894.6 | 11598.8 | 11852.2 | 14806.2 | 14997.3 | 14997.3 | 15732.4 | 14314.4 | 14209.4 | 16384.3 |
| growth rate | 8.30 | 6.46 | 2.18 | 24.92 | 1.29 | -0.35 | 5.27 | -9.01 | -0.73 | 15.31 |

| Year | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|------|------|------|------|------|------|------|------|------|------|------|
| Export amount | 16625.9 | 18795.7 | 22157.9 | 24121.0 | 28711.2 | 32541.0 | 38862.3 | 42258.3 | 40882.6 | 51606.9 |
| growth rate | 1.47 | 13.05 | 17.89 | 8.86 | 19.03 | 13.34 | 19.42 | 8.74 | -3.26 | 26.23 |

Data Sources: World Trade Organization and calculation

Thailand's Agricultural Product Export Growth Rate

Thailand's agricultural exports and export growth rate in the 30 years from 1981 to 2010 are shown as Table 2.

Table 2. Thailand's agricultural exports and export growth rate in the 30 years from 1981 to 2010.

| Year | 1981  | 1982  | 1983  | 1984  | 1985  | 1986  | 1987  | 1988  | 1989  | 1990  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Export amount | 4420.2 | 4449.3 | 3932.4 | 4451.8 | 3909.9 | 4630.8 | 5266.2 | 6792.3 | 8103.2 | 7786.5 |
| growth rate | 19.08 | 0.66 | -11.62 | 1.32 | -12.17 | 18.44 | 13.72 | 32.40 | 19.30 | -3.91 |

| Year | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|------|------|------|------|------|------|------|------|------|------|------|
| Export amount | 8952.6 | 9928.3 | 9587.3 | 11582.4 | 13910.6 | 14071.2 | 13021.4 | 11523.1 | 11762.3 | 12200.3 |
| growth rate | 14.98 | 10.90 | -3.43 | 20.25 | 20.10 | 0.77 | -7.10 | -11.51 | 2.08 | 3.89 |

| Year | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|------|------|------|------|------|------|------|------|------|------|------|
| Export amount | 12055.3 | 12455.8 | 15081.1 | 17072.2 | 17815.5 | 21552.1 | 24985.5 | 31661.9 | 28003.9 | 35136.2 |
| growth rate | -1.35 | 3.32 | 21.08 | 13.20 | 4.35 | 20.97 | 15.93 | 26.72 | -11.55 | 25.47 |

Data Sources: World Trade Organization and calculation

Comparison of Agricultural Products Export Growth Rate between China and Thailand

Scatter plot on comparison of agricultural products export growth rate between China and Thailand during the 30 years from 1981 to 2010 are shown as Figure 1.
Comparison of Agricultural Import Growth Rates between China and Thailand

China's Agricultural Product Import Growth Rate

China's agricultural imports and import growth rate in the 30 years from 1981 to 2010 are shown as Table 3.

| Year | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
|------|------|------|------|------|------|------|------|------|------|------|
| Import amount | 7721.0 | 7038.0 | 5338.0 | 4385.4 | 4487.0 | 4427.0 | 5998.7 | 9030.6 | 9665.2 | 7855.0 |
| growth rate | 19.22 | -8.85 | -24.15 | -17.85 | 2.32 | -1.34 | 35.5 | 50.54 | 7.03 | -18.73 |

| Year | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|------|------|------|------|------|------|------|------|------|------|------|
| Import amount | 7833.7 | 7873.8 | 6224.5 | 10172.6 | 16099.2 | 15300.3 | 14632.7 | 12609.5 | 13852.9 | 19543.7 |
| growth rate | -0.27 | 0.51 | -20.95 | 63.43 | 58.26 | -4.96 | -4.36 | -13.83 | 9.86 | 41.08 |

| Year | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|------|------|------|------|------|------|------|------|------|------|------|
| Import amount | 20124.8 | 21847.7 | 30482.1 | 42278.5 | 45189.1 | 51653.3 | 65368.7 | 86807.2 | 76616.9 | 108259.8 |
| growth rate | 2.97 | 8.56 | 39.52 | 38.7 | 6.88 | 14.3 | 26.55 | 32.8 | -11.74 | 41.3 |

Data Sources: World Trade Organization and calculation

Thailand's Agricultural Product Import Growth Rate

Thailand's agricultural imports and import growth rate in the 30 years from 1981 to 2010 are shown as Table 4.
Table 4. Thailand's agricultural imports and import growth rate in the 30 years from 1981 to 2010.

| Year | 1981  | 1982  | 1983  | 1984  | 1985  | 1986  | 1987  | 1988  | 1989  | 1990  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Import amount | 846.8 | 720.0 | 838.5 | 958.7 | 877.5 | 1039.4 | 1349.6 | 2049.0 | 2674.2 | 3229.7 |
| growth rate | 3.13  | -14.97| 16.46 | 14.33 | -8.47 | 18.45 | 29.84 | 51.83 | 30.51 | 20.78 |

| Year | 1991  | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Import amount | 3229.7 | 4222.6 | 4089.3 | 4634.2 | 5575.1 | 5607.6 | 4960.0 | 3724.4 | 3961.6 | 4483.5 |
| growth rate | 20.98 | 8.07  | -3.26 | 13.33 | 20.3  | 0.58  | -11.55 | -24.91 | 6.37  | 13.18 |

| Year | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Import amount | 4797.9 | 4976.1 | 5719.4 | 6399.8 | 7120.5 | 7347.4 | 8481.5 | 11668.5 | 9364.0 | 11984.7 |
| growth rate | 7.01  | 3.71  | 14.94 | 11.9  | 11.26 | 3.19  | 15.43 | 37.58 | -19.75 | 27.99 |

Data Sources: World Trade Organization and calculation

Comparison of Agricultural Products Import Growth Rate between China and Thailand

Scatter plot on comparison of agricultural products import growth rate between China and Thailand during the 30 years from 1981 to 2010 are shown as Figure 2.

![Comparison of agricultural products import growth rate between China and Thailand](image)

Figure 2. Scatter plot on comparison of agricultural products import growth rate between China and Thailand during the 30 years from 1981 to 2010.

Summary

As can be seen from the above figures, the growth rate of China-Thailand agriculture import and export is different. The agricultural cooperation between China and Thailand will help to consolidate and deepen the strategic partnership between the two countries and promote the common progress of the agricultural industry in the field of cooperation through cooperation. The agricultural cooperation between China and Thailand will help the Chinese and Thai people to enjoy the fruits of the “Belt and Road” strategy construction as soon as possible.

The agricultural cooperation between China and Thailand has a positive effect on continuously improving the quality of agricultural products in China and Thailand, increasing their added value, continuously upgrading the industrial structure, and promoting the development of agricultural industrialization.
The cooperation and development of agriculture between China and Thailand is better, but there are also some problems. For example, the target markets of agricultural products of the two countries are similar, both in Europe and the United States. The varieties of agricultural products in the two countries are similar and there is competition. Due to political and religious factors, the cooperation between the two countries also faces certain risks and challenges.

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