

# **Market Research of Pea Protein Industry in China**

**The Second Edition  
Dec. 2020**

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## 1. Introduction

*Market Research of Pea Protein Industry in China*, finished in December 2020, is CCM's second edition report on China's pea protein industry. This report covers production and market information of pea protein industry as well as forecasts for the coming two years in China.

In this report, CCM will introduce *Market Research of Pea Protein Industry in China* from the following aspects:

- ✓ Pea supply in China
- ✓ Pea protein production, price, export and consumption in China
- ✓ Government policies and guidance regarding to pea protein industry in China
- ✓ Pea protein market forecasts in China

## 2. Approach for this report

This report is based on data collected with diverse methods, which are listed as follows:

### - Desk research

This includes access to published magazines, journals, government, industry and customs statistics, association seminars as well as information from the Internet. A lot of work has gone into the compilation and analysis of the obtained information. When necessary, information has been checked with pea protein industry participants and specialists regarding to pea protein production, industrial data, production method, market price, industrial development trend, downstream industry applications and policies. Data collected and compiled are variously sourced from:

- CCM's database
- Published articles from periodicals, magazines, journals, and third-party database
- Statistics from governments and international institutes
- Customs statistics
- Comments from industrial experts on various platforms
- Information from the Internet

### - Telephone interview targets

- Key producers
- Key end users
- Key traders
- Industrial associations
- Industrial experts

### - Data compilation and crosscheck

Data obtained from various sources have been combined and cross-checked to ensure that this report is as accurate and methodologically sound as possible.

### 3. Executive summary

Pea protein industry in China, started in 2008 by Yantai Shuangta Food Co., Ltd., a former bean vermicelli company, is still at fast expanding stage. The capacity of pea protein increased from XXX t/a in 2017 to XXX t/a in 2019, at a CAGR of XXX%, as domestic pea protein producers have been active in expanding their capacities. Besides, some new entrants joined the market seeing rising demand. As of H1 2020, there were XXX active pea protein producers with a total capacity of XXX t/a in China, most of which are located in XXX Province.

The output of pea protein was also on an upward trend, up from XXX tonnes in 2017 to XXX tonnes in 2019, with a CAGR of XXX%.

Nowadays, domestic pea protein producers mostly use non-GMO pea from XXX, especially from XXX, as raw material in production. China imported more than XXX tonnes of dry peas annually since 2013. In 2018–2019, the import volume of dry peas surpassed XXX tonnes annually, along with the increasing demand for pea proteins.

Pea protein is categorized into feed grade pea protein, pea protein concentrate (PPC), and pea protein isolate (PPI) according to the amount of protein content. The annual average ex-works price of PPI decreased from USD XXX in 2017 to USD XXX in 2019.

In 2019, China exported over XXX% of its total pea protein output, primarily to the US, the Netherlands, the UK, Belgium and Australia. Among all the pea protein exported in 2019, about XXX was PPI.

The consumption volume of pea protein in China was XXX tonnes in 2019, increasing at a CAGR of XXX% from XXX tonnes in 2017. And the expected year-on-year growth rate in 2020 would be XXX%. Most of the pea protein consumed in China is PPI in healthcare food.

4. What is in the report?

**Note: Key data/information in this sample page is hidden, while in the report it is not.**

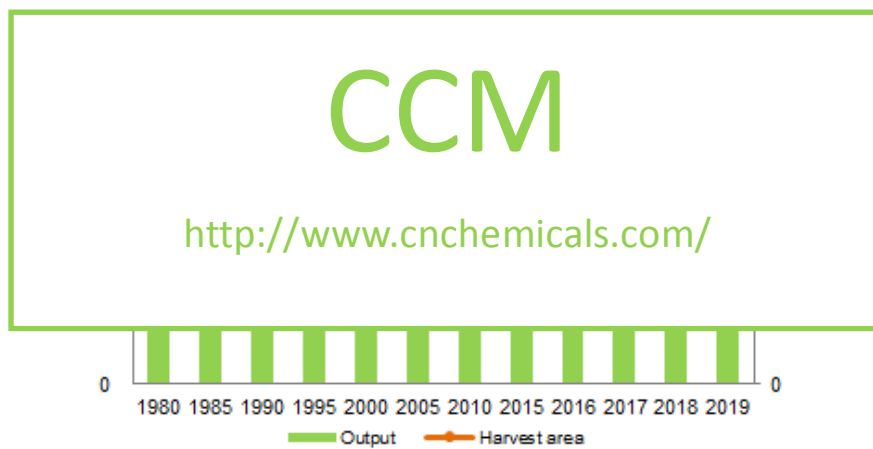
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2 Production of pea protein, 2017–H1 2020

2.1 Supply of pea in China

...

Figure 2.1-1 Output and harvest area of dry peas in China, 1980–2019



*Note: Statistics of output and harvest area of dry peas during 1980 to 2018 are picked up from FAOSTAT, while statistics of 2019 are based on CCM's research.*

Source: CCM, FAOSTAT

...

Table 2.1-1 China's imports and exports of dry peas, 2017–Sept. 2020

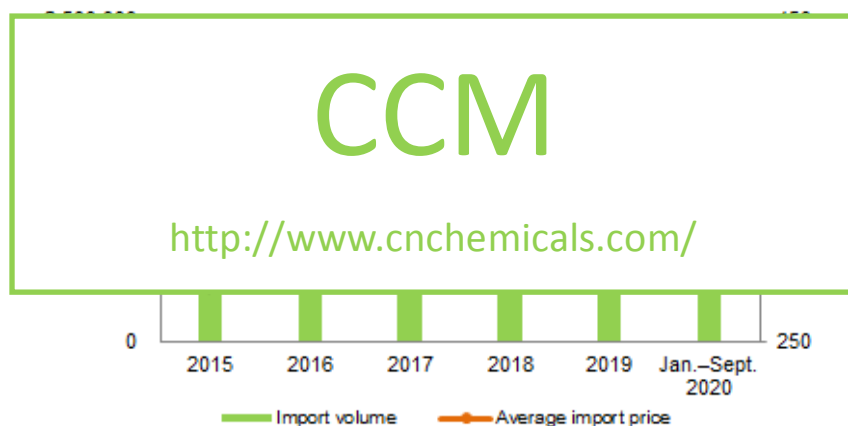
Year	Import		Export	
	Volume, tonne	Value, USD	Volume, tonne	Value, USD
2017	XXX	XXX	XXX	XXX
2018	XXX	XXX	XXX	XXX
2019	XXX	XXX	XXX	XXX
Jan.–Sept. 2020	XXX	XXX	XXX	XXX

Source: CCM, China Customs

[www.cnchemicals.com](http://www.cnchemicals.com)

E-mail: [econtact@cnchemicals.com](mailto:econtact@cnchemicals.com)

Figure 2.1-2 China's imports of dry peas, 2015–Sept. 2020



Note: Import volume and average price of dry peas in this figure are rounded to the single digit.

Source: CCM, China Customs

## 2.2 Production of pea protein and pea starch

...

Table 2.2-1 Capacity and output of pea protein producers in China, 2017–H1 2020

Year	Capacity, t/a			Output, tonne		
	Protein	Starch	Fiber	Protein	Starch	Fiber
2017	XXX	XXX	XXX	XXX	XXX	XXX
2018	XXX	XXX	XXX	XXX	XXX	XXX
2019	XXX	XXX	XXX	XXX	XXX	XXX
H1 2020	XXX	XXX	XXX	XXX	XXX	XXX

Note: Capacity and output of pea protein producers in this chart are of their pea protein-starch-fiber production lines.

Capacity and output of their vermicelli units are not included, in which they also produce pea starch.

Source: CCM



Table 2.2-2 Output of pea protein by product grade in China, 2017–H1 2020

Year	Output, tonne		
	Feed grade	PPC	PPI
2017	XXX	XXX	XXX
2018	XXX	XXX	XXX
2019	XXX	XXX	XXX
H1 2020	XXX	XXX	XXX

Source: CCM

...

### - Potential capacity

...

Table 2.2-3 Production expansion plans of current and potential pea protein producers in China, as of H1 2020

Company	Capacity, t/a			Process
	Protein	Starch	Fiber	
XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX
...	XXX	XXX	XXX	XXX
<b>Total</b>	XXX	XXX	XXX	/

Source: CCM

...

## 2.3 Price of pea protein and pea starch, 2017–H1 2020

### - Price of pea protein, 2017–H1 2020

...

Table 2.3-1 Ex-works prices of pea protein and pea starch, 2017–H1 2020

Year	PPC		PPI		Pea starch	
	RMB/t	USD/t	RMB/t	USD/t	RMB/t	USD/t
2017	XXX	XXX	XXX	XXX	XXX	XXX
2018	XXX	XXX	XXX	XXX	XXX	XXX
2019	XXX	XXX	XXX	XXX	XXX	XXX
H1 2020	XXX	XXX	XXX	XXX	XXX	XXX

Source: CCM

...

Table 2.3-2 Market price range of pea protein by product grade, 2020

Grade	Protein content, g/100g	RMB/kg	USD/t
Crude protein	45.0 ≤ X < 65.0	XXX	XXX
PPC	65.0 ≤ X < 80.0	XXX	XXX
PPI	80.0 ≤ X < 90.0	XXX	XXX
	90.0	XXX	XXX
	95.0 and above	XXX	XXX

Note: Crude protein here refers to feed grade protein.

Source: CCM

## 2.4 Major pea protein producers

...

Table 2.4-1 List of food grade pea protein producers in China, H1 2020

No.	Company	Abbreviation	Location	Status, H1 2020	Capacity, t/a		
					Protein	Starch	Fiber
1	Yantai Shuangta Food Co., Ltd.	Shuangta Food	Shandong	Active	XXX	XXX	XXX
2	XXX.	XXX	XXX	XXX	XXX	XXX	XXX
3	XXX	XXX	XXX	XXX	XXX	XXX	XXX
...	XXX	XXX	XXX	XXX	XXX	XXX	XXX
<b>Total</b>			/	/	XXX	XXX	XXX

Source: CCM

...

Figure 2.4-1 Capacity distribution of pea protein in China, H1 2020



Source: CCM

## 2.4.1 Yantai Shuangta Food Co., Ltd.

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### - Production and financial performance of Shuangta Food

...

Table 2.4.1-2 Capacity and output of pea products of Shuangta Food, 2017–H1 2020

Year	Capacity, t/a			Output, tonne		
	Protein	Starch	Fiber	Protein	Starch	Fiber
2017	XXX	XXX	XXX	XXX	XXX	XXX
2018	XXX	XXX	XXX	XXX	XXX	XXX
2019	XXX	XXX	XXX	XXX	XXX	XXX
H1 2020	XXX	XXX	XXX	XXX	XXX	XXX

Note: Capacity and output of Shuangta Food in this chart only concern its pea protein-starch-fiber unit. Capacity and output of Shuangta Food vermicelli unit are not included, where it also produces pea starch.

Source: CCM

...

### - Pea protein exports from Shuangta Food

...

Table 2.4.1-5 Shuangta Food's monthly exports of pea protein by product grade, 2019

Month	Feed grade		PPC		PPI	
	Export volume, tonne	Export value, USD	Export volume, tonne	Export value, USD	Export volume, tonne	Export value, USD
Jan.	XXX	XXX	XXX	XXX	XXX	XXX
Feb.	XXX	XXX	XXX	XXX	XXX	XXX
...	XXX	XXX	XXX	XXX	XXX	XXX
Dec.	XXX	XXX	XXX	XXX	XXX	XXX
<b>Total</b>	XXX	XXX	XXX	XXX	XXX	XXX

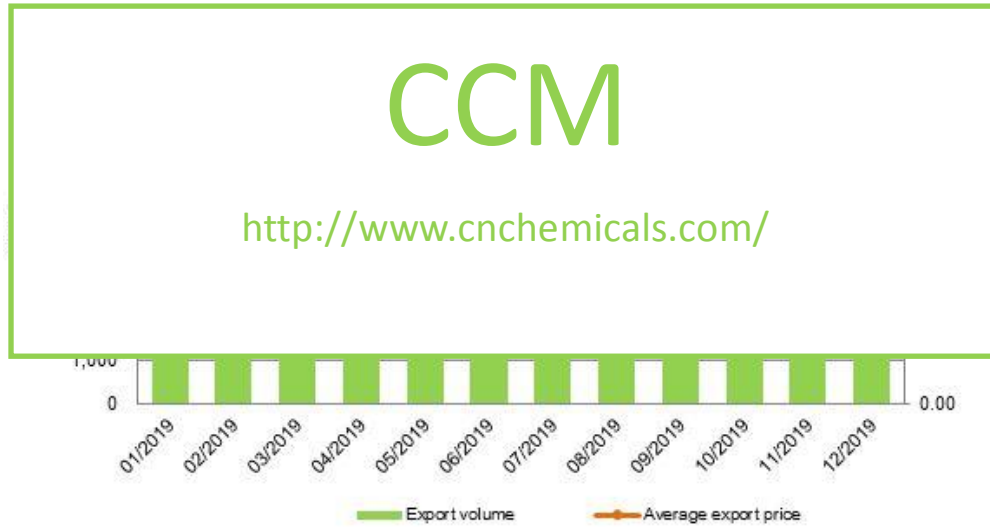
Source: China Customs, CCM

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### 3 Export analysis of pea protein, 2019

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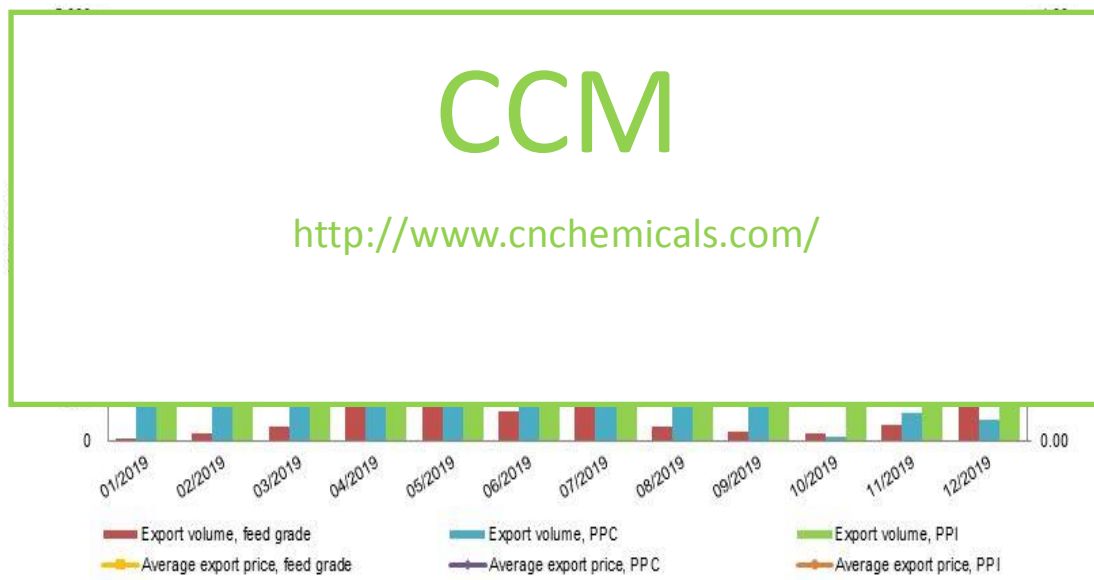
Figure 3-1 Monthly exports of pea protein from China, 2019



Source: China Customs, CCM

...

Figure 3-2 Monthly exports of pea protein from China by product grade, 2019



Source: China Customs, CCM

...

- Pea protein export by destination

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Figure 3-3 Distribution of export volume of pea protein from China by destination, 2019



*Note: Due to rounding, the total may not equal 100.0%.*

Source: CCM

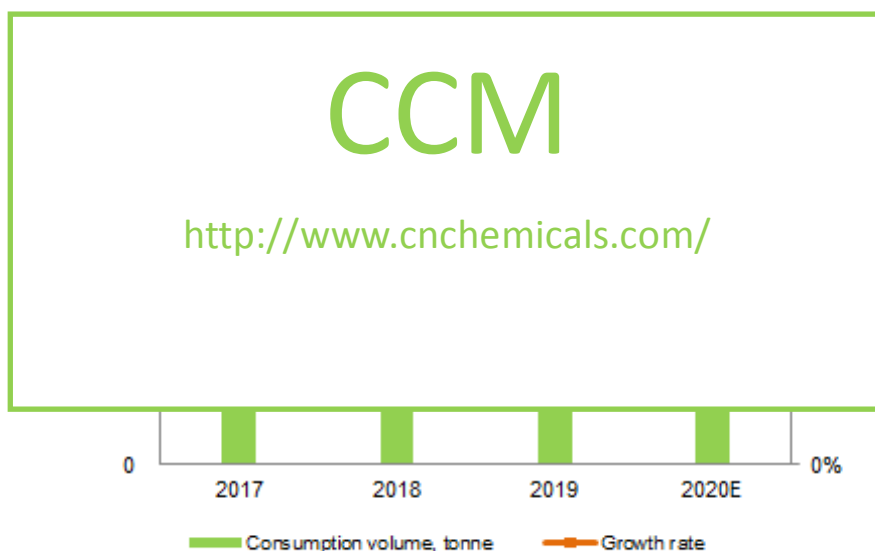
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## 4 Consumption of pea protein, 2017–H1 2020

### 4.1 Consumption of pea protein

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Figure 4.1-1 Consumption of pea protein and its growth rate in China, 2017–2020E



Source: CCM

Table 4.1-1 Consumption of pea protein in China by product grade, 2017–H1 2020, tonne

Year	Feed grade	PPC	PPI	Total
2017	XXX	XXX	XXX	XXX
2018	XXX	XXX	XXX	XXX
2019	XXX	XXX	XXX	XXX
H1 2020	XXX	XXX	XXX	XXX

Source: CCM

## 4.2 Application fields of pea protein

...

Table 4.2-1 List of major end users of pea protein in China

No.	Producer	Product	Industry
1	XXX	XXX	XXX
2	XXX	XXX	XXX
3	XXX	XXX	XXX
...	XXX	XXX	XXX

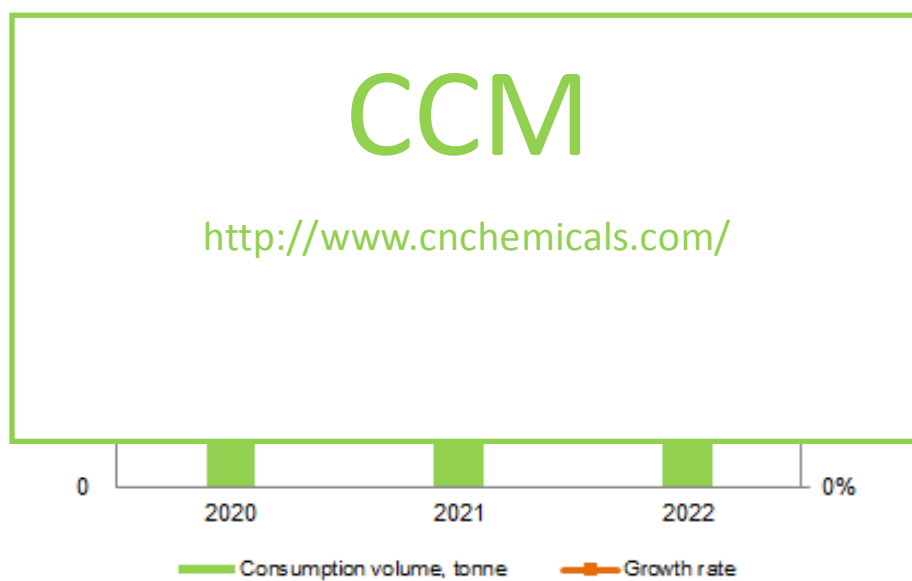
Source: CCM

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## 6 Forecast on pea protein industry, 2020–2022

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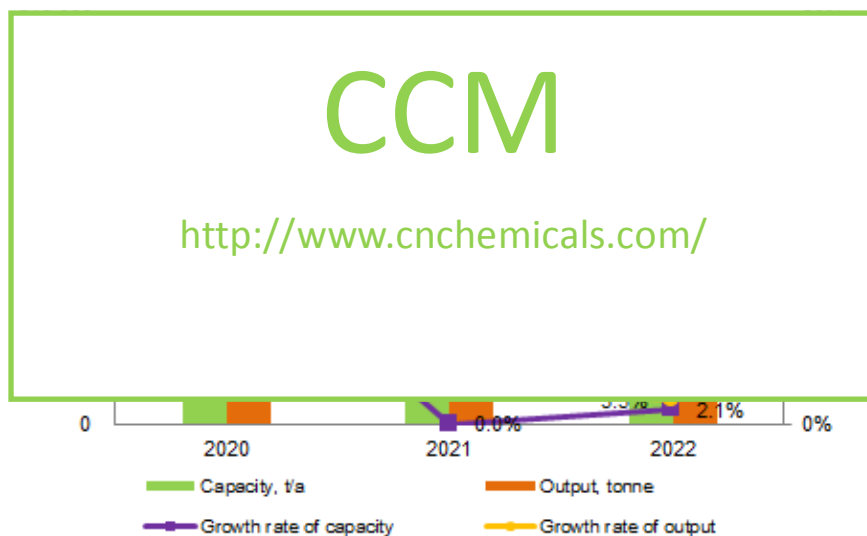
Figure 6-1 Forecast on consumption of pea protein in China, 2020–2022



Source: CCM



Figure 6-2 Forecast on China's pea protein capacity and output, 2020–2022



Source: CCM

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**If you want more information, please feel free to contact us**

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