

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

1.1.1 Key producers with capacity and output

Table 1.1.1-1 Main producers of PWACP in China, 2011

No.	Producers	Abbr.	Location	Capacity'11 , t/a	Output'10, tonne
1	Fujian Yuanli Active Carbon Co., Ltd.	Fujian Yuanli	Fujian	█	█
2	█	█	█	█	█
3	█	█	█	█	█
4	█	█	█	█	█
5	█	█	█	█	█
6	█	█	█	█	█
7	█	█	█	█	█
8	█	█	█	█	█
9	█	█	█	█	█
10	█	█	█	█	█
11	█	█	█	2,000	1,500
12	Jiangxi Gaoan Ruicheng Co., Ltd.	Jiangxi Ruicheng	Jiangxi	█	█

Source: CCM International

There are about █ wood activated carbon producers in China. But most producers are small and the capacity of most of the producers is less than █t/a in China. Up to June 2011, there have been about █ producers, each of whose capacity of wood activated carbon is more than █t/a. And also their capacity of powder wood activated carbon via phosphoric acid activation method (PWACP) is more than █t/a in China. The PWACP capacity of these top 12 producers is about █t/a in 2011, accounting for about █% of the total in China.

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1.1.2 Current production situation and quotation

China's wood activated carbon had entered a fast development period since 1980s. The output of wood activated carbon increased from █ tonnes in 1987 to █ tonnes in 2009, with the CAGR of █%. In 2009, China became the largest wood activated carbon producer in the world. Up to June 2011, the capacity of wood activated has reached to about █t/a and the output to █ tonnes in 2010. And up to June 2011, the capacity of PWACP in China has hit about █t/a and the output of PWACP is about █ tonnes in 2010.

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In China, the quotation of PWACP is dependent on the requirements of clients. According to

CCM's investigation in June 2011, generally, the price of food grade PWACP is in the range of USD [redacted]/t to USD [redacted]/t and industry grade is in the range of USD [redacted]/t to USD [redacted]/t.

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1.1.3 Major producers' technology

Table 1.1.3-1 Technology of powder wood activated carbon for major producers in China, 2011

No.	Abbr.	Method	Capacity , t/a
1	Fujian Yuanli	Physical activation method	[redacted]
2	[redacted]	[redacted]	[redacted]
3	[redacted]	[redacted]	[redacted]
4	[redacted]	[redacted]	[redacted]
5	[redacted]	[redacted]	[redacted]
6	[redacted]	[redacted]	[redacted]
7	[redacted]	[redacted]	[redacted]
8	[redacted]	[redacted]	[redacted]
9	[redacted]	[redacted]	[redacted]
10	[redacted]	[redacted]	[redacted]
11	[redacted]	[redacted]	3,000
12	Jiangxi Ruicheng	[redacted]	[redacted]

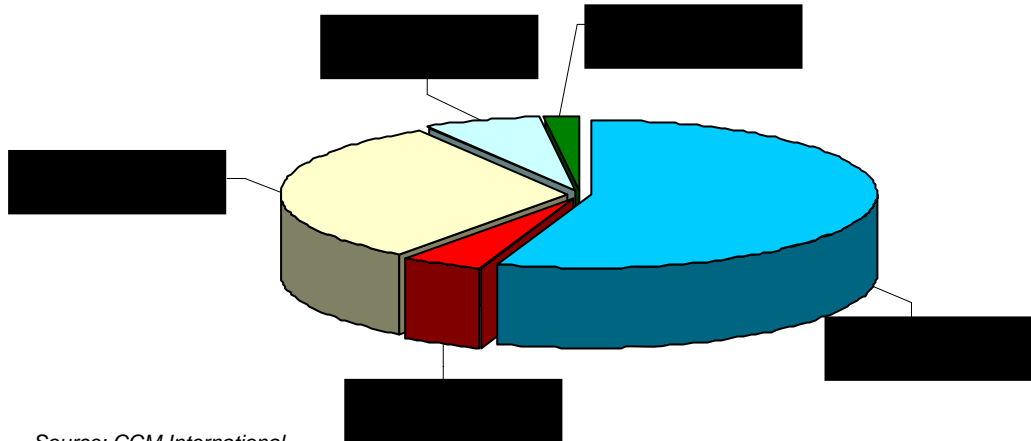
Source: CCM International

2 Market situation of powder wood activated carbon

2.1 Overview of consumption

2.1.1 Market size breakdown by application

Figure 2.1.1-1 Consumption structure of PWACP in China, 2010

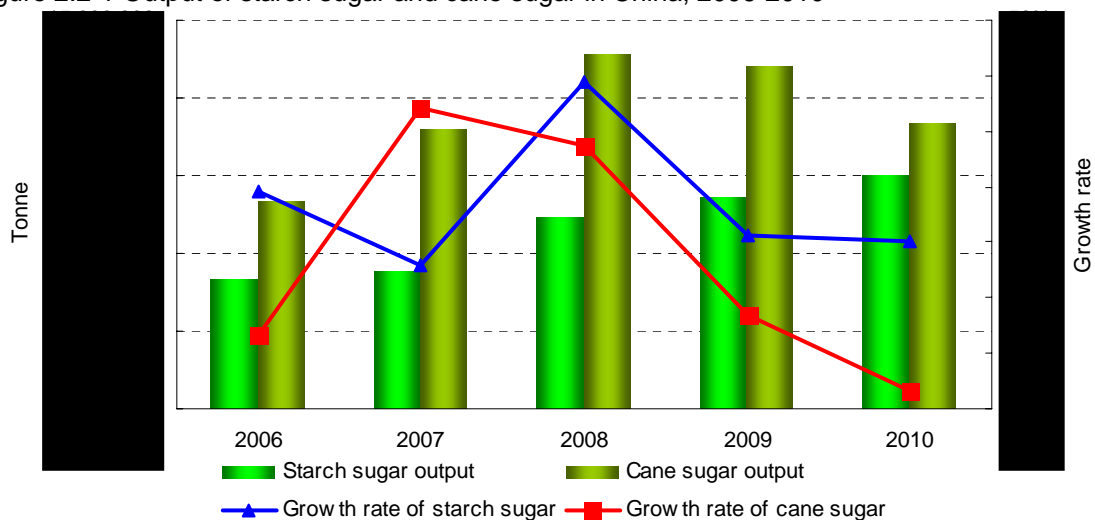


Source: CCM International

2.2 Sugar industry

Sugar industry is a major consumption field of PWACP in China in 2010. Wood activated carbon is widely used in removing impurities and discoloring in sugar industry. In China, PWACP is mainly used in producing cane sugar, but PWACP's consumption volume in starch production is also significant. In 2010, PWACP's consumption volume in sugar industry is about 10,000 tonnes, accounting for 15% of the total in China. Almost all of them are applied to cane sugar production. Normally, the unit consumption of PWACP in starch sugar production is about 0.5 kg~1 kg/t. However, in China's cane sugar production, the major decolorize is activated carbon and only a few cane sugar producers use PWACP.

Figure 2.2-1 Output of starch sugar and cane sugar in China, 2006-2010



Source: CCM International