

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

I Governmental regulations on white biotechnology industry

I-1 Regulations on white biotechnology, feedstock and products

According to the government's plan, Chinese biotechnology industry is expected to take the lead in the world until 2020. Biotechnology industry will play an important role in Chinese economy in the near future, with its market value increasing to USD [redacted] billion in 2020 from USD [redacted] billion in 2010. It is worth noting that the contribution rate of biotechnology industry to China's GDP will increase from [redacted]% in 2010 to [redacted]% in 2020.

Figure I-1-2 Projected status of Chinese biotechnology industry in the world, 2010-2020

	Market value, billion USD	Contribution rate to China's GDP	Number of patent around the world	Number of paper around the world
2010	[redacted]	[redacted]%	Top [redacted]	Top [redacted]
2015	[redacted]	[redacted]%	Top [redacted]	Top [redacted]
2020	[redacted]	[redacted]%	Top [redacted]	Top [redacted]

Source: CCM International

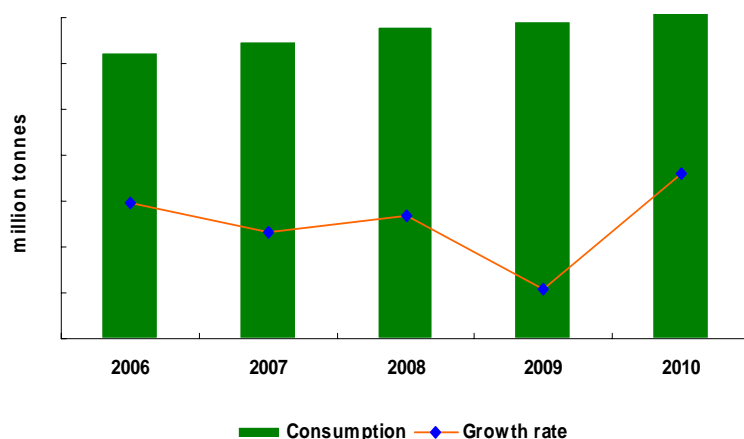
II-2 Introduction to each renewable feedstock

II-2.1.2 Sugarcane & sugarbeet

- Demand and application

China seldom uses sugar as raw material in WB industry now. As one of the most important consumption markets of sugar around the world, China's consumption volume of sugar had increased from [redacted] million tonnes in 2006 to [redacted] million tonnes in 2010, with a CAGR of [redacted]% during 2006 and 2010.

Figure II-2-1-2-7 Sugar consumption in China, 2006-2010



Source: CCM International

IV-1 Existing commercial products

IV-1.2 Bio-fuels

IV-1.2.1 Fuel ethanol

- Producer

By the end of April 2011, only seven active producers are involved in fuel ethanol production in China, five of which are national designated production bases. The total capacity and total output of producers of fuel ethanol respectively reaches █ t/a in April 2011 and █ tonnes in 2010 in China. Currently, Henan Tianguan Group Co., Ltd., with a total capacity of █ t/a in 2011 and the output of █ tonnes in 2010, is the largest producer of fuel ethanol in China.

Table IV-1-2-1-2 Capacity and output of domestic fuel ethanol producers, 2009-2011

No.	Abbreviation	Capacity '11, t/a	Capacity '10, t/a	Capacity '09, t/a	Output '10, t	Output '09, t
1	Henan Tianguan	█	█	█	█	█
2	Jilin Fuel Alcohol	█	█	█	█	█
3	Anhui BBCA	█	█	█	█	█
4	Zhaodong COFCO	█	█	█	█	█
5	Guangxi COFCO	█	█	█	█	█
6	Sichuan Yangming	█	█	█	█	█
7	Shandong Zesheng	█	█	█	█	█
Total		█	█	█	█	█

Source: CCM International