

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

2.1.2 Production cost comparison of each production routes

Table 2.1.2-2 Cost analysis of raw materials in production of imidacloprid technical (95%) by DCPD route, March 2012

| No. | Raw material | Content | Unit consumption (t/t) | Price (USD/t) | Cost (USD/t) |
|--------------|---------------|---------|------------------------|---------------|--------------|
| 1 | DCPD | XXX% | XXX | XXX | XXX |
| 2 | Acrylaldehyde | XXX% | XXX | XXX | XXX |
| ... | ... | ... | ... | ... | ... |
| 16 | Catalyst | XXX% | XXX | XXX | XXX |
| Total | | | | | XXX |

Source: CCM International

2.2 Registration situation of imidacloprid in China

Table 2.2-4 Distribution of imidacloprid registrations in China, as of April 2012

| Region | Single formulation | Mixed formulation | Technical | Total | Share |
|--------------|--------------------|-------------------|------------|------------|---------------|
| Jiangsu | XXX | XXX | XXX | XXX | XX% |
| Shandong | XXX | XXX | XXX | XXX | XX% |
| Hebei | XXX | XXX | XXX | XXX | XX% |
| Shaanxi | XXX | XXX | XXX | XXX | XX% |
| Henan | XXX | XXX | XXX | XXX | XX% |
| Guangdong | XXX | XXX | XXX | XXX | XX% |
| Shanghai | XXX | XXX | XXX | XXX | XX% |
| Zhejiang | XXX | XXX | XXX | XXX | XX% |
| Anhui | XXX | XXX | XXX | XXX | XX% |
| Jiangxi | XXX | XXX | XXX | XXX | XX% |
| Guangxi | XXX | XXX | XXX | XXX | XX% |
| Beijing | XXX | XXX | XXX | XXX | XX% |
| Overseas | XXX | XXX | XXX | XXX | XX% |
| Others | XXX | XXX | XXX | XXX | XX% |
| Total | XXX | XXX | XXX | XXX | 100.0% |

Source: ICAMA

2.3 Current supply situation of imidacloprid in China

2.3.2 Key imidacloprid technical producers, 2008-2011

Table 2.3.2-2 Geographic distribution of imidacloprid technical production in China, as of April 2012

| No. | Region | Capacity 2012, t/a | Number of producers | Share |
|--------------|----------|--------------------|---------------------|---------------|
| 1 | Jiangsu | XXX | XXX | XX% |
| 2 | Shandong | XXX | XXX | XX% |
| 3 | Hebei | XXX | XXX | XX% |
| 4 | Zhejiang | XXX | XXX | XX% |
| 5 | Henan | XXX | XXX | XX% |
| 6 | Anhui | XXX | XXX | XX% |
| 7 | Shanghai | XXX | XXX | XX% |
| Total | | XXX | XXX | 100.0% |

Source: CCM International

Table 2.3.2-4 Capacity and output of imidacloprid technical producers in China, as of April 2012

| No. | Producer | Status | Capacity, t/a | | | | Output, t | | |
|--------------|----------------|----------|---------------|------------|------------|------------|------------|------------|------------|
| | | | 2012 | 2011 | 2010 | 2009 | 2011 | 2010 | 2009 |
| 1 | Jiangsu Kwin | Active | XXX | XXX | XXX | XXX | XXX | XXX | XXX |
| 2 | Hebei Yetian | Active | XXX | XXX | XXX | XXX | XXX | XXX | XXX |
| ... | | | ... | ... | ... | ... | ... | ... | ... |
| 30 | Shaanxi Hentin | Stopped | / | / | / | / | / | / | / |
| Total | | / | XXX | XXX | XXX | XXX | XXX | XXX | XXX |

Source: CCM International

2.4 Introduction to key raw materials & intermediates of imidacloprid

2.4.1 2-Chloro-5-chloromethylpyridine (CCMP)

Table 2.4.1-1 Major CCMP producers in China, as of April 2012

| No. | Company | Status 2012 | Capacity 2011, t/a | Route |
|-----|-------------------------------------|-------------|--------------------|-------|
| 1 | Anhui Guoxing Biochemical Co., Ltd. | Active | XXX | DCPD |
| ... | ... | ... | ... | ... |
| 12 | XXX | Potential | XXX | XXX |

Source: CCM International

2.6 Demand for imidacloprid in China

2.6.1 Demand summary (volume and value), 2008-2011

Table 2.6.1-1 Domestic apparent consumption of imidacloprid calculated by AI in China, 2008-2011

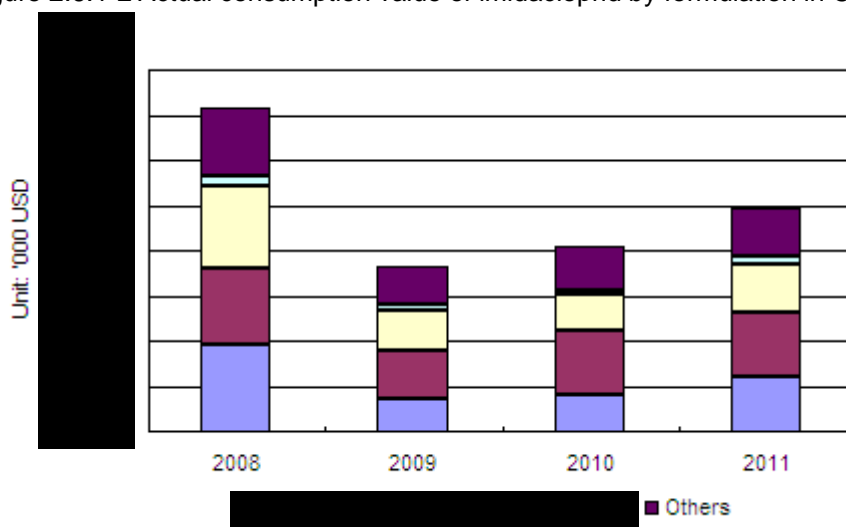
| Year | Technical output, t | Export, t | | | Import, t | Apparent consumption, t |
|------|---------------------|-----------|-------------|------------------------|-----------|-------------------------|
| | | Technical | Formulation | Total, converted to AI | | |
| 2008 | XXX | XXX | XXX | XXX | XXX | |
| 2009 | XXX | XXX | XXX | XXX | XXX | |
| 2010 | XXX | XXX | XXX | XXX | XXX | |
| 2011 | XXX | XXX | XXX | XXX | XXX | |

Note: Import volume in 2008-2011 is assumed according to CCM International's understanding.

Apparent consumption = Technical output + Import - Total export

Source: CCM International

Figure 2.6.1-2 Actual consumption value of imidacloprid by formulation in China, 2008-2011



Source: CCM International