

# BAINFO Pesticide Monthly Report

Jun. 1, 2023–Jun. 27, 2023

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## Herbicides

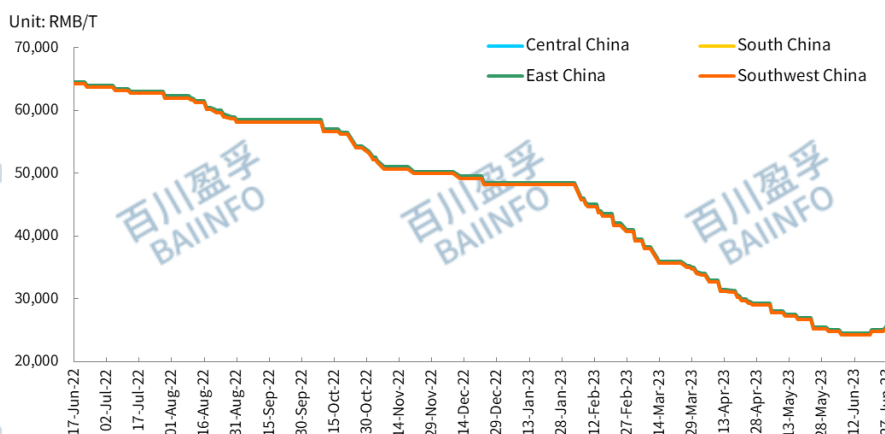
### Glyphosate Market

**Market Summary:** Glyphosate prices rebounded when dropping to the bottom, and manufacturers' inventories declined in Jun.

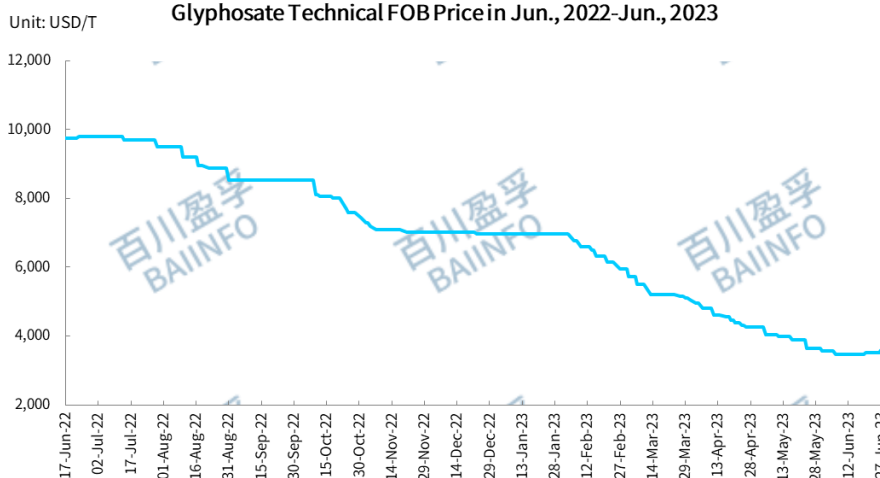
Glyphosate technical suppliers made offers cautiously. Individual suppliers offered at RMB 26,000-26,500/T. Mainstream transaction prices of 95% glyphosate technical stood at around RMB 25,500/T for reference, with some high-end trading prices at RMB 26,000/T. Prices at the port resided at USD 3,600-3,650/T, FOB, for reference.

Delivery price of 41% glyphosate solution (200L) at Shanghai Port declined to RMB 12,600/KL, with price at the port at USD 1,600-1,650/KL, FOB. Delivery price of 62% glyphosate solution (200L) at Shanghai Port fell to RMB 15,500/T, with price at the port at USD 1,970-2,020/T, FOB. For 75.7% glyphosate granular (25KG), delivery price dipped to RMB 22,700/T at Shanghai port, and actual transaction price could be discussed.

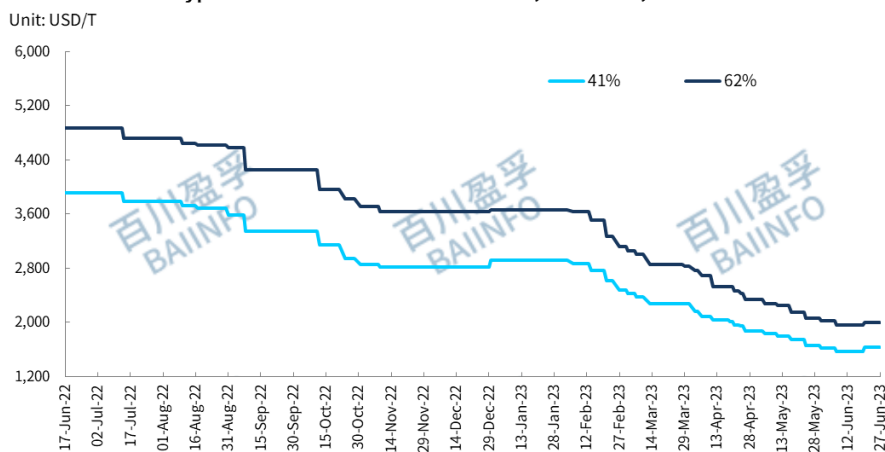
Regional Price of Glyphosate Technical in Jun., 2022-Jun., 2023



Glyphosate Technical FOB Price in Jun., 2022-Jun., 2023



Glyphosate Solution FOB Price in Jun., 2022- Jun., 2023



**Market Briefing:**

Firstly, output rose up compared to last month. This month, mainstream manufacturers kept low-load production. Individual manufacturers were in constant overhaul in Southwest China, and some manufacturers shut down temporarily in East China. However, partial shutdown manufacturers resumed normal production in East China, and supply ran up in North China.

Secondly, demand turned heavier this month. Buyers restocked on rigid demand in foreign market, but domestic orders were more. In early Jun., as the export quantity increased, manufacturers’ inventories declined, so suppliers actively raised prices. Downstream buyers made procurement on demand. In late Jun., mainstream manufacturers withheld their sales. Downstream formulation manufacturers and traders took active in purchases. Thus, the volume of domestic orders moved up, supporting price rising.

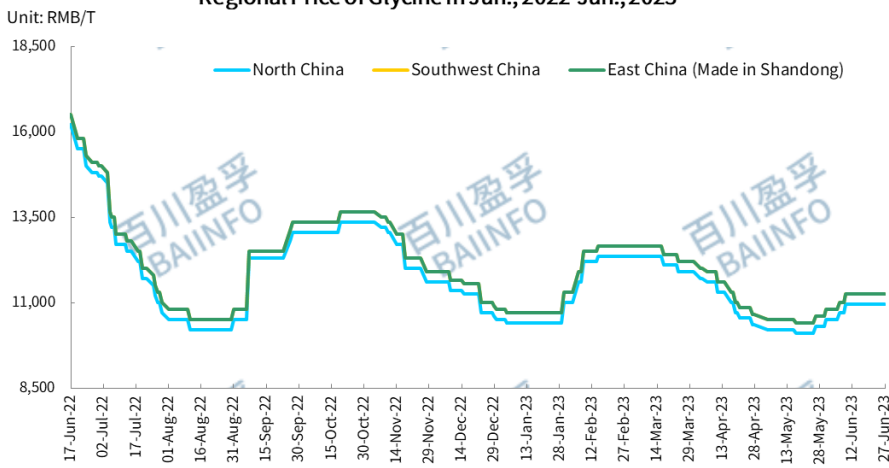
Thirdly, production costs went up compared to last month, as prices of yellow phosphorus and glycine were raised.

Fourthly, profits slid down this month.

**Relevant Material Market:**

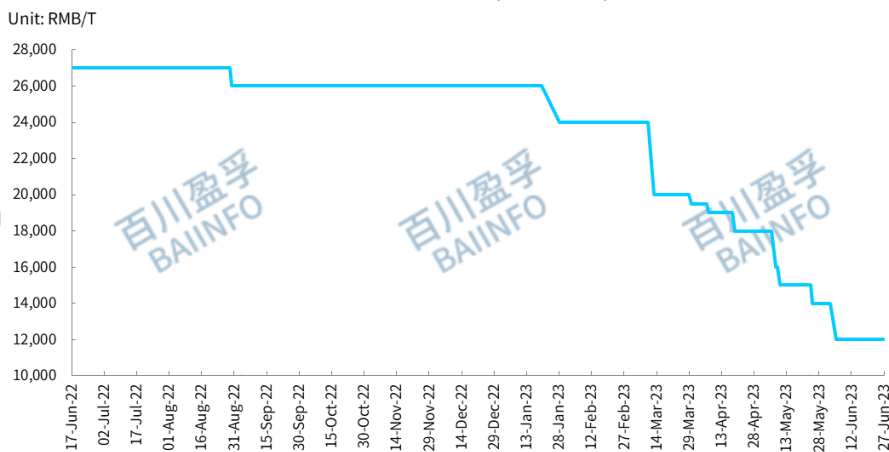
**Glycine:** Prices stabilized after ramping up this month. Monthly average market price climbed to RMB 11,133.33/T compared to last month. Market details were as follows: Firstly, output held steady but was at a low level on the whole. This week, mainstream manufacturers in East China and some manufacturers in North China overhauled. However, manufacturers, which held low-load production in early Jun., raised production in late Jun., and individual manufacturers that had matched devices of glyphosate increased production. Secondly, demand picked up, as downstream operation rates rose up. Thirdly, production costs nudged down, because monthly average market prices of acetic acid and synthesis ammonia decreased. This month, prices of liquid chlorine ramped up in Shandong and Hebei. It is expected that glycine prices will nudge up in Jul. Some mainstream manufacturers plan to shut down in North China next month, so supply may move down. Besides, downstream glyphosate operation rates are likely to ascend slightly next month.

Regional Price of Glycine in Jun., 2022-Jun., 2023



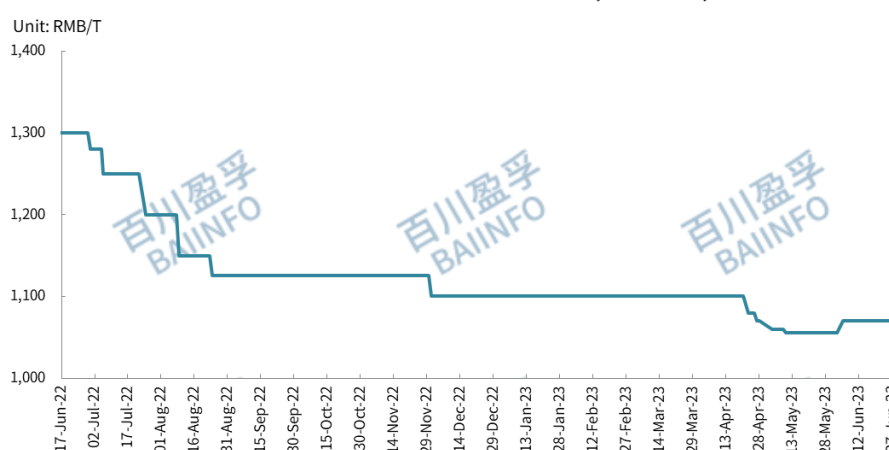
**IDAN:** Prices slid down this month. In East China, delivery prices sank to RMB 12,000/T. Owing to decreased PMIDAs prices and poor profits, PMIDAs manufacturers held low acceptance of high-priced IDAN.

IDAN Price in East China in Jun., 2022-Jun., 2023

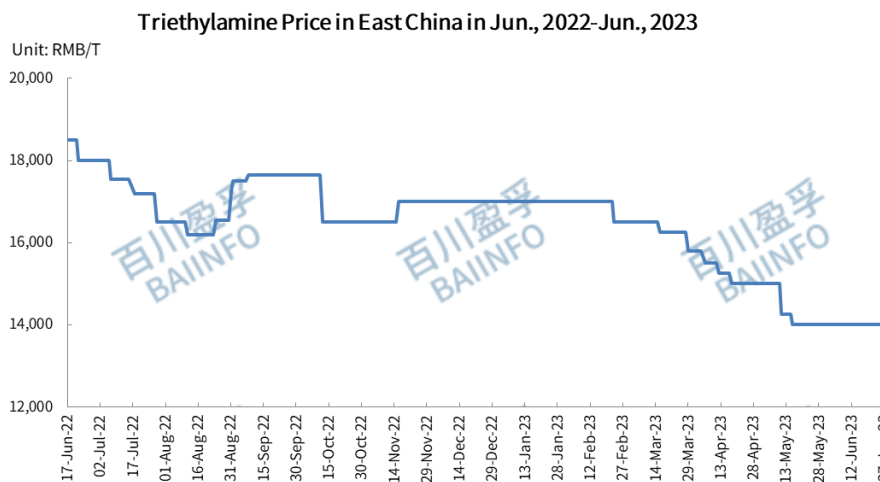


**Diethanolamine:** Price stabilized after mounting to USD 1,060-1,080/T, CIF, this month. Owing to decreased import quantity and risen prices since mid-to-late May, import prices climbed up.

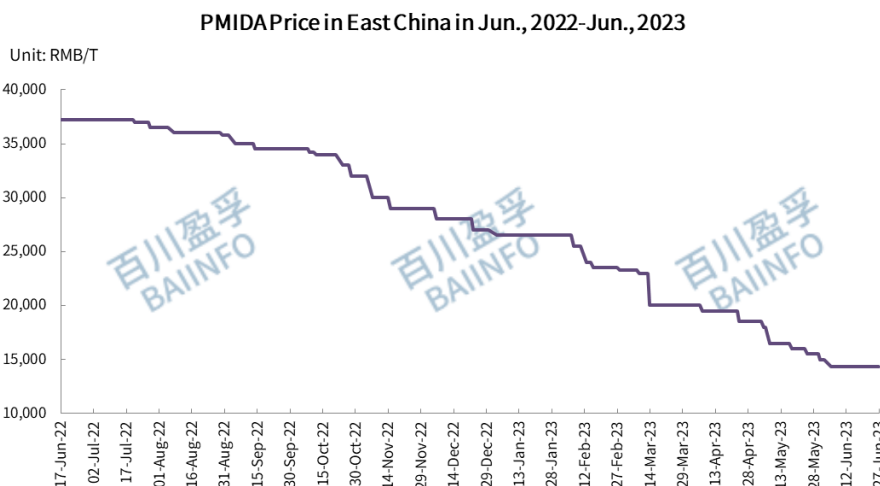
Diethanolamine CIF Price in East China in Jun., 2022-Jun., 2023



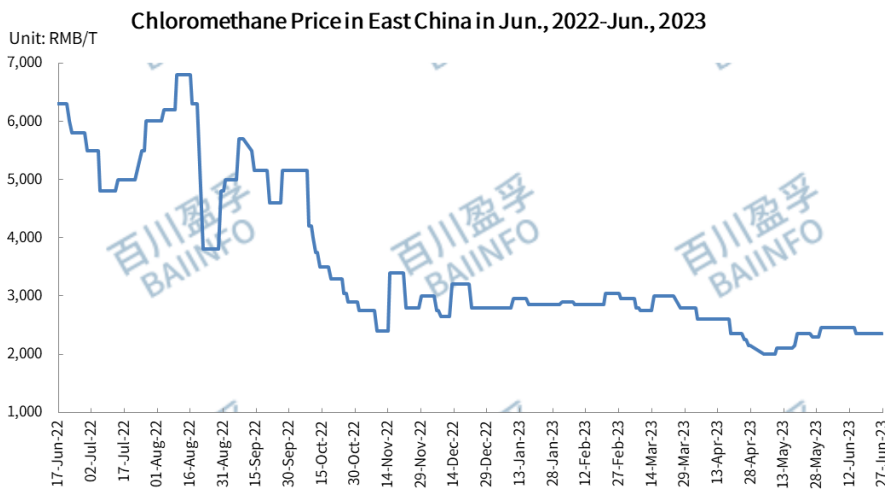
**Triethylamine:** Prices ran fixed this month. Mainstream delivery price of 99% triethylamine to East China maintained at RMB 14,000/T. Supply slipped down this month, for a reason that main manufacturers were in overhaul in East China. Moreover, glyphosate technical and electrolyte manufacturers made purchases on demand. Thus, prices held steady.



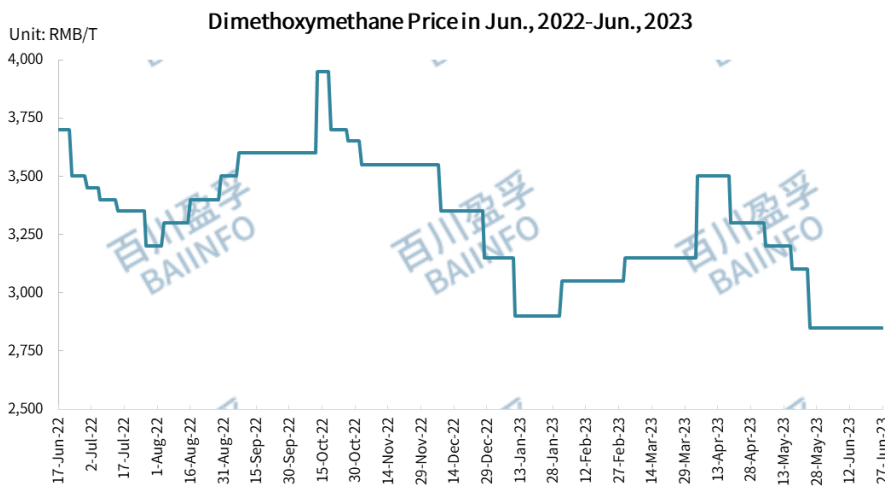
**PMIDA:** Prices performed steadily after declining this month. In East China, mainstream delivery prices of 98% PMIDA dipped to RMB 14,300/T. Downstream glyphosate prices registered a downtrend in early Jun. Moreover, purchases were soft from manufacturers producing glyphosate with IDAN method. Consequently, demand for PMIDA weakened and prices ran down accordingly. In mid-to-late Jun., mainstream manufacturers mainly delivered orders from regular customers in Southwest China, and small-sized manufacturers had slender profits because of risen prices of glyphosate prices. Therefore, PMIDA prices held stable.



**Chloromethane:** Byproduct chloromethane prices stabilized first after rising up at the end of May, and then moved down. However, prices were higher than May 29. In early Jun., prices of byproduct chloromethane sustained at high levels, which resided at RMB 2,400-2,500/T. The main reason was that mainstream synthesis chloromethane manufacturers held unsteady shipment in East China and byproduct chloromethane supply nudged down in East and Central China. However, prices of byproduct chloromethane edged down to RMB 2,300-2,400/T in late Jun. Byproduct chloromethane supply returned to be normal in East and Central China. Besides, downstream organic silicon and methylcellulose manufactures were not receptive to high prices. Therefore, byproduct chloromethane prices slipped down.

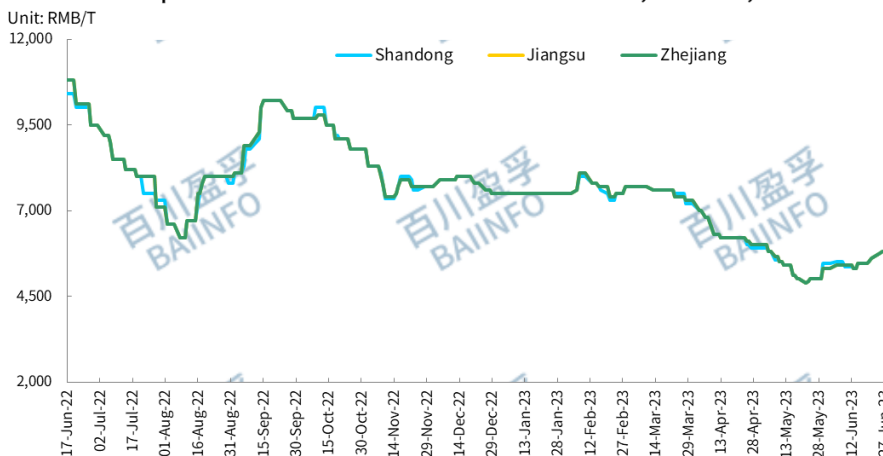


**Dimethoxymethane:** Byproduct dimethoxymethane prices ran steady this month. In East China, delivery price of byproduct dimethoxymethane stood at RMB 2,800-2,900/T.



**Phosphorus Trichloride:** Prices rose up after two price changes this month. As of Jun. 27, some manufacturers didn't make offers. It was known that a small number of mainstream trading prices stood at RMB 5,800-5,900/T in East China. In early Jun., phosphorus trichloride prices picked up on account of increased raw material prices. Until mid-Jun., phosphorus trichloride prices slid down. Yellow phosphorus prices slipped down and buying interest was tepid, being unfavorable to phosphorus trichloride market. By mid-to-late Jun., phosphorus trichloride market fluctuated strongly. Firstly, prices of yellow phosphorus and liquid chlorine jumped up, so costs moved upward. Secondly, demand from phosphorus pentachloride manufacturers turned heavier, and operation rates of water-treatment manufacturers were acceptable. Moreover, glyphosate prices edged up because of declined inventories, providing bullish support for phosphorus trichloride market. Thirdly, some manufacturers constantly overhauled, leading to tightened market supply. It is predicted that phosphorus trichloride prices will stabilize after nudging down next month, which stand at RMB 5,400-5,800/T. Raw material prices and downstream demand should be paid attention to. Downstream glyphosate market is robust, driving up market sentiment. However, the off season will come amid a heat wave in Jul. Also, high-water period is approaching in Jul., so operation rates of yellow phosphorus will move up. Thus, supply is likely to ascend, leading to bearish perceptions of manufacturers.

Phosphorus Trichloride Reference Market Price in Jun., 2022-Jun., 2023



**Paraformaldehyde:** Market prices decreased first, and then ramped up this month. For paraformaldehyde powder, the average market price fell to RMB 4,425/T. For paraformaldehyde granule, mainstream average price sank to RMB 7,585/T. Raw material paraformaldehyde market prices constantly decreased. Besides, considering lackluster demand, manufacturers reduced or halted production, leading to shortened supply. Until the end of Jun., market prices were driven up by tight supply. In terms of paraformaldehyde granule market, manufacturers produced as planned.

**Market Forecast:**

It is expected that the glyphosate market will stabilize after increasing in Jul. Manufacturers' inventories decline by a large extent in Jun., and mainstream manufacturers withhold their sales, resulting in tight spot goods. Also, partial domestic buyers take active in purchases, supporting price rising. However, as prices move up, profits march higher. It is possible that manufacturers will raise production. Also, manufacturers will sell high-priced inventories when there are no losses. Overall, supply is likely to run up. According to market feedback, foreign buyers show low intention of make a large number of purchases, and terminal manufacturers have inventories. Thus, downstream manufacturers mainly restock on rigid demand in a watching mood. If subsequent orders are numbered, glyphosate prices are hard to continue to run up.

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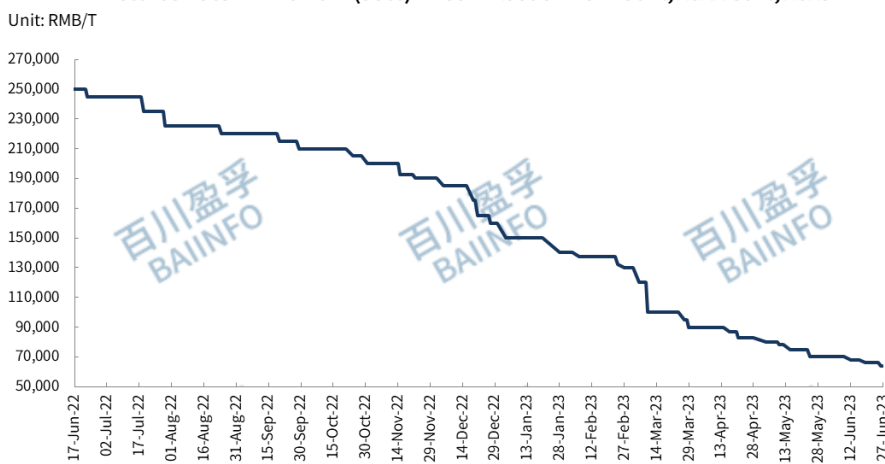
**Glufosinate Ammonium Market**

**Market Summary:** Glufosinate ammonium market kept weak this month.

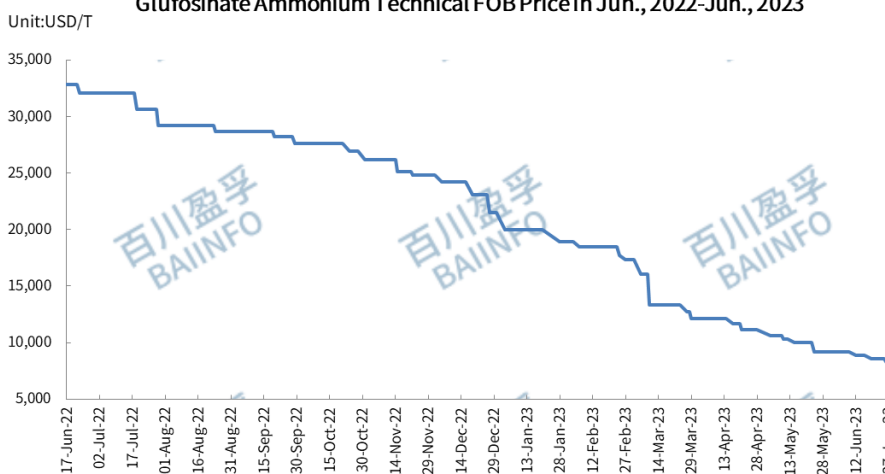
Individual suppliers of 95% glufosinate ammonium technical cut offers to RMB 68,000/T. Mainstream transaction prices dove to RMB 63,000-64,000/T for reference, and prices at ports fell to USD 8,200-8,250/T, FOB.

For 50% L-glufosinate mother liquor (convert to 100%), prices remained at RMB 120,000-130,000/T for reference, and trading prices were negotiable according to specific order.

Glufosinate Ammonium (95%) Price in East China in Jun., 2022-Jun., 2023



Glufosinate Ammonium Technical FOB Price in Jun., 2022-Jun., 2023



**Market Briefing:**

Firstly, some mainstream manufacturers reduced production and mainly consumed inventories this month. However, market supply was surplus with high-level industry inventory caused by soft purchases, bringing great competitive pressure.

Secondly, buyers bid down prices and made a small number of purchases on rigid demand, leading to few orders. Owing to heavy inventory pressure, many manufacturers cut prices to sell goods.

Thirdly, production costs moved down compared to last month.

Fourthly, industry profits slipped down. Manufacturers who didn't have matched device of methyldiethoxyphosphine had suffered losses at present, and manufacturers that had matched device of methyldiethoxyphosphine had poor profit margins.

**Market Forecast:**

It is predicted that the glufosinate ammonium prices will descend slowly in Jul., according to current market situation. Surplus market supply will drag down prices. However, due to slender profits, the space for price falling is limited.

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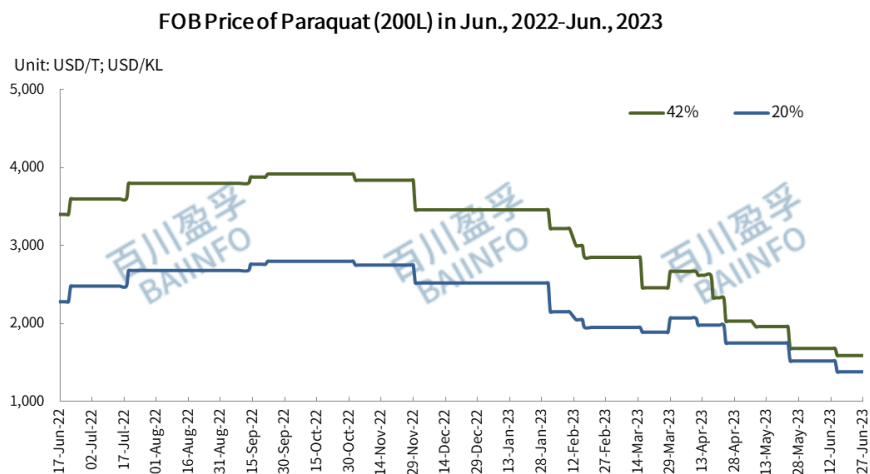
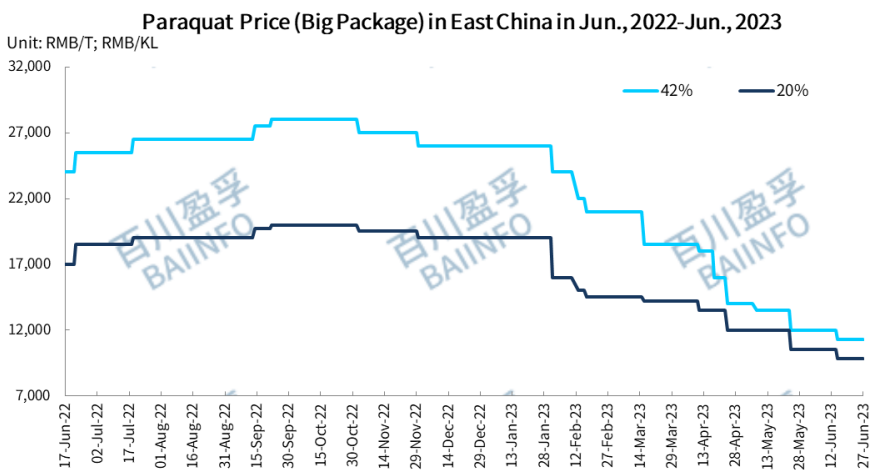


## Paraquat Market

**Market Summary:** Paraquat market was sluggish this month.

As of Jun. 27, mainstream suppliers made offers cautiously. Mainstream offers for 42% paraquat mother liquor (220KG) made by suppliers resided at RMB 11,500/T, and mainstream trading prices dropped to RMB 11,000-11,500/T for reference. FOB prices slipped to USD 1,550-1,620/T for reference.

20% paraquat aqueous solution (200L) was transacted at RMB 9,000-10,000/KL for reference, and FOB prices decreased to USD 1,260-1,400/KL for reference.



### Market Briefing:

Firstly, production costs constantly descended, as prices of pyridine and synthesis ammonia plummeted.

Secondly, mainstream manufacturers kept low-load production. However, spot inventories still existed and downstream orders were scarce, leading to good market supply.

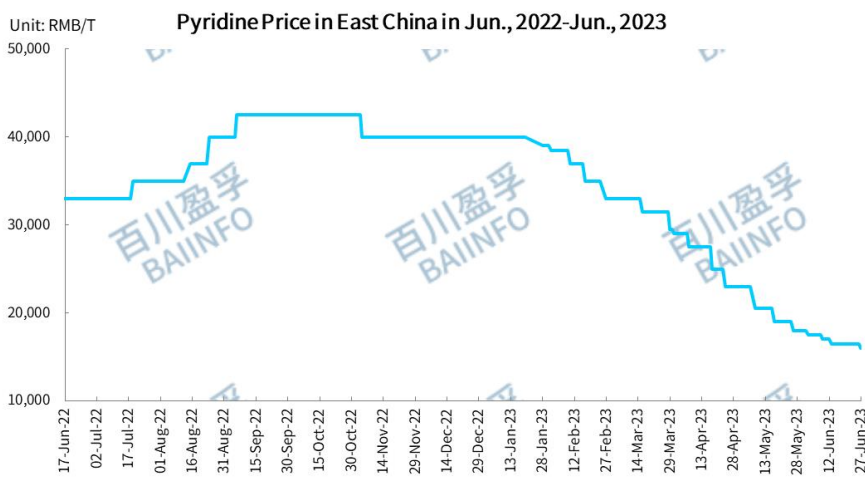
Thirdly, buyers bid down prices and made purchases on rigid demand, which was unfavorable to price negotiating.

Fourthly, industry profit margins were narrowed down.

Fifthly, manufacturers curtailed production in consideration of slender profits, and buyers made a small number of purchases on demand. Therefore, market inventory was likely to remain at a high level.

**Relevant Material Market:**

**Pyridine:** The pyridine market went down amid few orders this month. As of Jun. 27, 99% pyridine delivery price by tank to surrounding areas slid to RMB 16,000/T for reference. In terms of the supply side, output picked up in East China. However, domestic mainstream manufacturers constantly curtailed production, leading to low-level market supply as a whole. As for the demand side, operation rates of paraquat and pyridinium chloride industries kept at low levels. Consequently, slack demand was unfavorable to the pyridine market.



**Market Forecast:**

Paraquat prices are anticipated to hold fixed or slide down in Jul.

Firstly, foreign demand is soft amid muted buying interest, resulting in few orders.

Secondly, sterilant herbicide markets plunge on the whole, increasing competitive pressure. Thus, paraquat manufacturers are hard to firm prices.

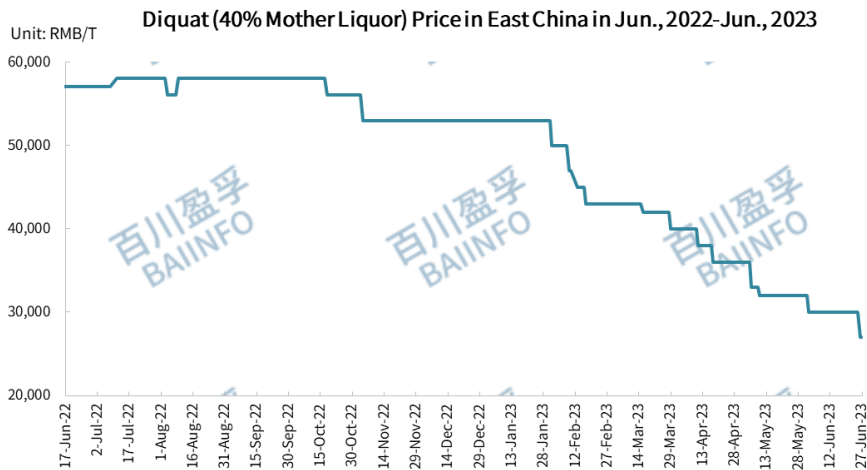
Thirdly, prices of the competing good glyphosate stop falling and rally, being bullish to paraquat market indirectly. However, according to market feedback, it impacts sterilant herbicide market limitedly.

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• **Diquat Market**

**Market Summary:** Diquat market plummeted with soft demand this month.

Until Jun. 27, suppliers made offers cautiously, and trading prices for 40% diquat mother liquor fell to RMB 27,000/T for reference.



**Market Briefing:**

Firstly, prices of 2,2'-dipyridyl plunged, leading to weaker cost support.

Secondly, some domestic manufactures shut down for overhaul, and others kept low-load production. However, owing to bleak demand, market supply was ample.

Thirdly, demand was soft, and inquiring interest was not high. Besides, prices of the competing good paraquat slipped down, increasing competition.

**Market Forecast:**

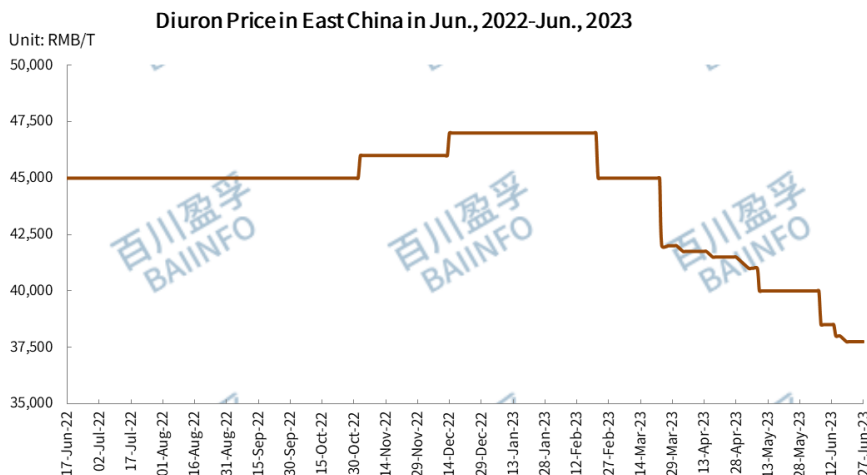
It is estimated that diquat prices may nudge down in Jul., and mainstream trading prices for 40% diquat mother liquor may reside at around RMB 26,000/T. Supply and demand are both weak. Plus, herbicide markets perform weakly as a whole. Demand is hard to be driven up in the short term. There is no bullish news supporting the market.

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**Diuron Market**

**Market Summary:** Diuron prices moved down with weakened demand this month

Some suppliers of 98% diuron technical made offers at RMB 38,000-39,000/T, and actual trading prices dove to RMB 37,500-38,000/T for reference.



**Market Briefing:**

Firstly, methylbenzene prices and 3,4-dichloroaniline prices continued to decline, undermining cost support.

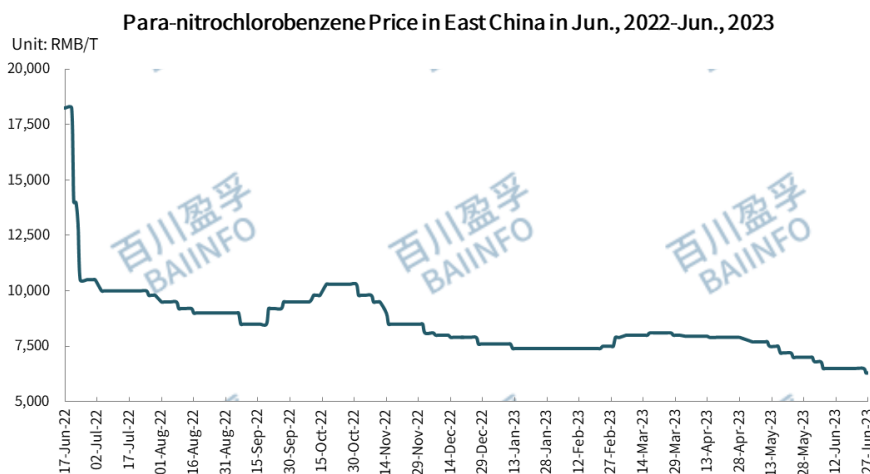
Secondly, suppliers produced normally. Although some suppliers overhauled temporarily, it made a little impact on the market.

Thirdly, demand was ordinary, and inquiries were few.

Fourthly, industry gross profits were normal

**Relevant Material Market:**

**Para-nitrochlorobenzene:** Prices of para-nitrochlorobenzene edged down this month. Mainstream offers slid to RMB 6,500-6,800/T, and actual trading prices dove to around RMB 6,300/T for reference. Reasons for price decline were as follows: Firstly, prices of chlorobenzene descended, resulting in softened cost support. Secondly, mainstream manufacturers didn't produce at full capacity in East China. However, other mainstream manufacturers produced steadily and could receive orders normally, supplying the market. Thirdly, demand from pharmaceutical and dye turned sluggish.



**Market Forecast:**

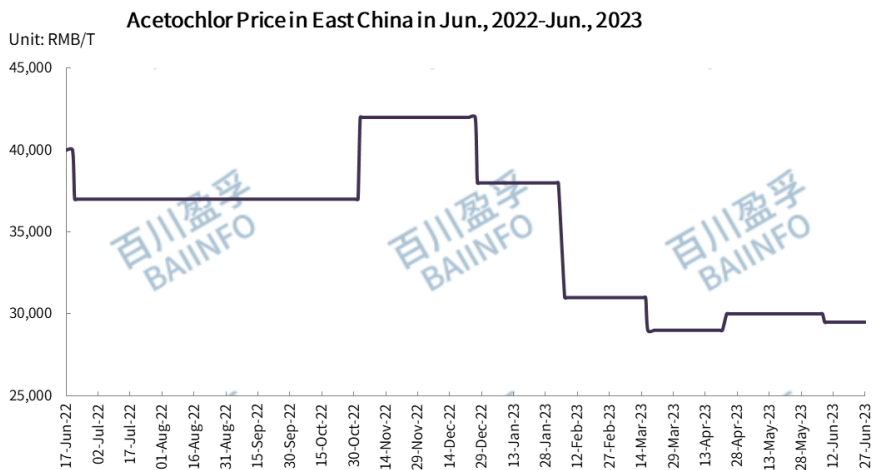
It is likely that diuron prices will move variations or descend slightly in Jul. For the demand side, buyers make purchases on demand, leading to few deals. In terms of the cost side, prices of bulk chemicals run down, bringing limited cost support for diuron market.

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**Acetochlor Market**

**Market Summary:** Acetochlor market prices decreased mildly with low-level industry operation rate this month.

Until Jun. 27, suppliers made offers cautiously. Monthly average market prices fell to RMB 30,000/T.



**Market Briefing:**

Firstly, some domestic manufacturers overhauled, and other manufacturers reduced production. Nonetheless, demand performed softly, leading to good market supply.

Secondly, downstream orders were numbered with the peak season ending. Manufacturers lowered prices to sell goods, so prices nudged down.

**Market Forecast:**

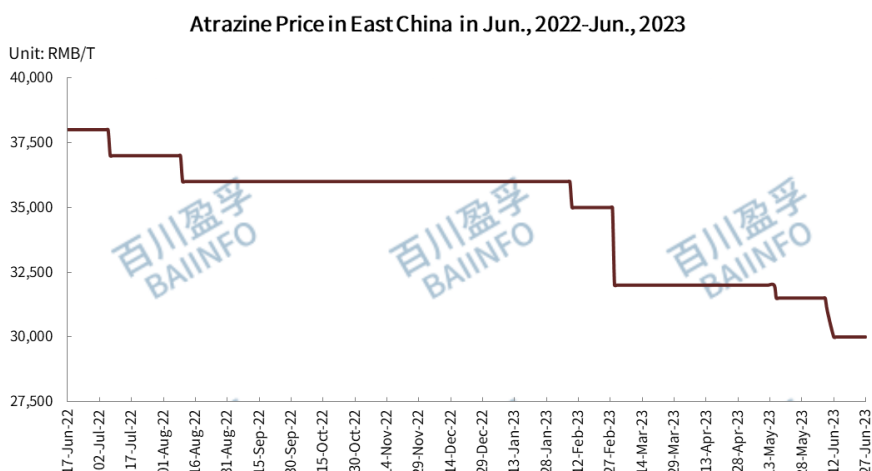
It is possible that acetochlor prices may edge down in Jul., and mainstream trading prices may be around RMB 29,000-29,500/T. Real-time supply is at a low level, and inventory is normal. However, soft demand will continue, which is unfavorable to price negotiating.

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**Atrazine Market**

**Market Summary:** Atrazine market was sluggish this month.

Offers of 97% atrazine technical dove to RMB 31,000-31,500/T, and actual trading prices fell to RMB 30,000/T.



**Market Briefing:**

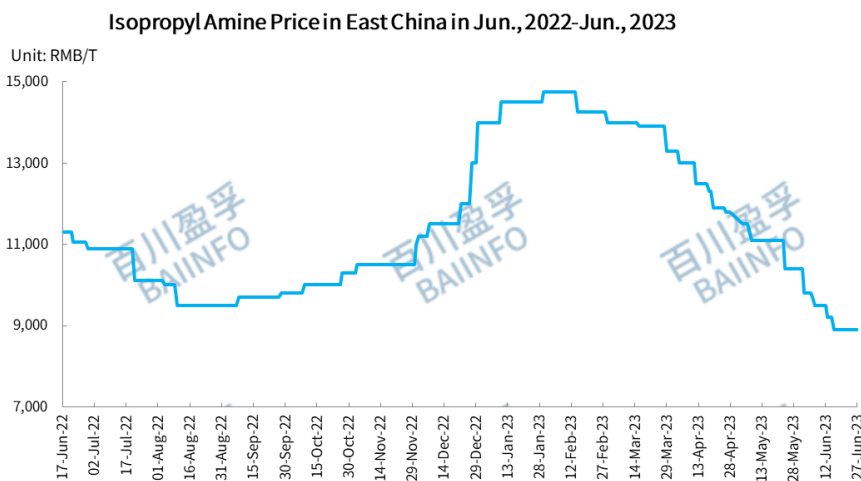
Firstly, prices of isopropyl amine descended, leading to weakened cost support.

Secondly, many mainstream manufacturers produced steadily and could receive orders normally.

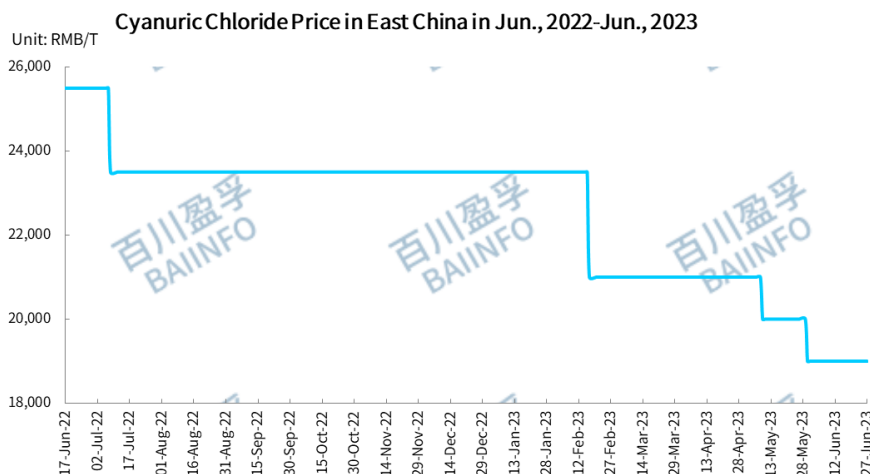
Thirdly, buyers basically made purchases on demand amid subdued buying interest. Recently, a small number of new deals were made.

**Relevant Material Market:**

**Isopropyl Amine:** Isopropyl amine market prices moved down this month. In East China, trading prices sank to RMB 8,900/T. Market details were as follows: Firstly, acetone prices and synthesis ammonia market prices slid down compared to last month, undermining cost support. Secondly, manufacturers held low-load production. Thirdly, glyphosate formulation manufacturers and buyers from triazine herbicides market made purchases on demand.



**Cyanuric Chloride:** Cyanuric chloride prices fluctuated at low levels this month after moving down on May 30. Mainstream trading prices of agricultural-grade cyanuric chloride stabilized after dropping to RMB 19,000/T on May 30, and actual trading price of industrial-grade cyanuric chloride resided at RMB 22,000/T for reference. Market details were as follows: Firstly, liquid chlorine prices ran down compared to last month, so production costs slipped down. Secondly, mainstream manufacturers produced steadily. Thirdly, buyers from triazine herbicides market and papermaking industry mainly made procurement on demand.



**Market Forecast:**

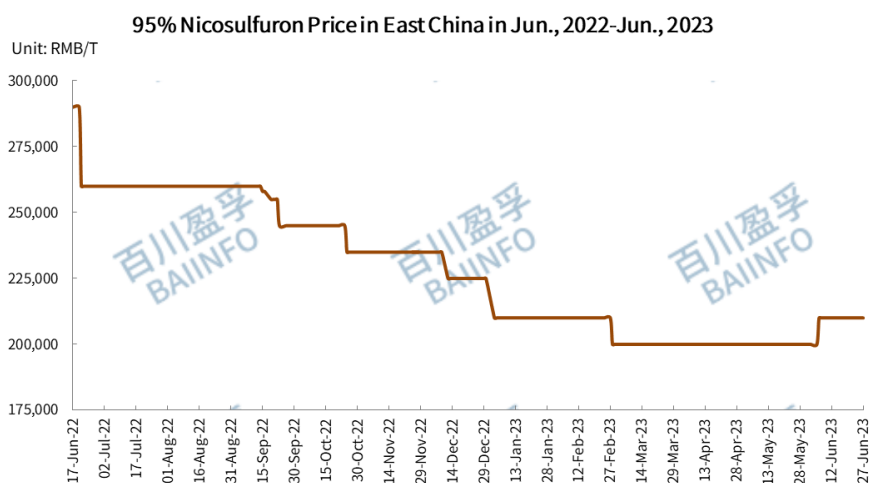
It is expected that atrazine prices may correct themselves or run down in Jul., according to current market conditions.

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**Nicosulfuron Market**

**Market Summary:** Nicosulfuron prices ramped up this month, but profits were slender.

Until Jun. 27, mainstream trading prices rose to RMB 210,000/T for reference.



**Market Briefing:**

Firstly, 3-cyanopyridine prices constantly ramped up caused by tight supply. Production costs increased, and technical profits were poor.

Secondly, some domestic manufacturers overhauled, and other manufacturers held low-load production. Thus, real-time supply was at a low level. However, market supply was normal because of soft demand.

Thirdly, in Jun., domestic buyers basically finished stockpiling. Downstream formulation manufacturers made a small number of purchases, which was hard to support price rising.

**Market Forecast:**

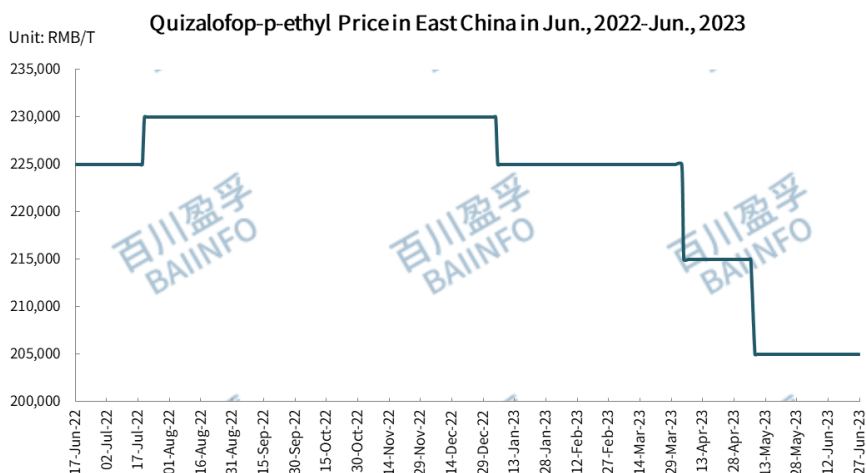
It is predicted that nicosulfuron market may hold steady in Jul., and mainstream trading prices are likely to be around RMB 210,000/T. Low-level industry operation rates and short supply of raw materials provide bullish support for nicosulfuron prices. However, the volume of deals is difficult to be driven up, being unfavorable to nicosulfuron prices.

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## Quizalofop-p-ethyl Market

**Market Summary:** Quizalofop-p-ethyl market held stable amid soft demand this month, with some trading prices edging down.

Until Jun. 27, suppliers made offers cautiously, and mainstream trading prices of 97% quizalofop-p-ethyl technical remained at RMB 205,000/T for reference.



### Market Briefing:

Firstly, the intermediate hydroquinone market prices stopped falling and stabilized at the end of this month, so cost support weakened.

Secondly, market supply performed well. This month, mainstream suppliers produced steadily.

Thirdly, in Jun., buyers basically finished making purchases, so they were cautious about trading. However, supported by previously foreign market, prices ran unchanged. Near the end of this month, downstream demand remained sluggish. Thus, some manufacturers cut prices to sell goods, leading to slightly declined trading prices in some regions.

### Market Forecast:

Quizalofop-p-ethyl prices are anticipated to nudge down in Jul., and mainstream trading prices may be assessed at around RMB 195,000-200,000/T. Demand stays weak, and inquiries are few. It is likely that demand will keep slack in the short term. Besides, industry inventories are accumulated slowly, putting heavier sales pressure on manufacturers.

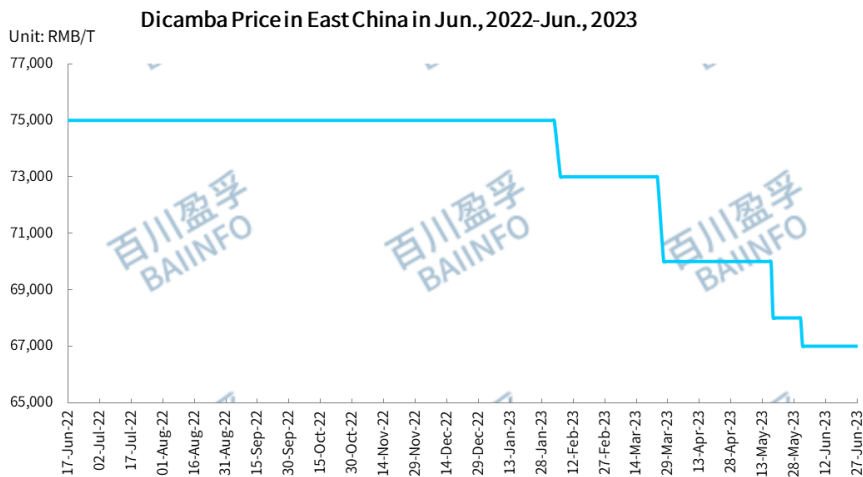
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## Dicamba Market

**Market Summary:** Dicamba market prices witnessed drops with scarce orders this month.

Delivery prices of 96% dicamba dove to RMB 67,000-80,000/T for reference, and actual trading prices descended to RMB 67,000/T for reference.





**Market Forecast:**

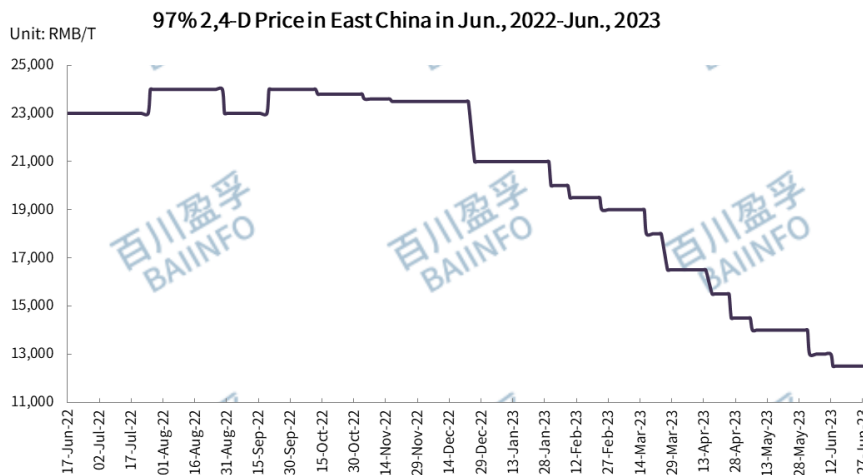
Dicamba prices are estimated to continue to run down because of tepid supply and demand in Jul.

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**2,4-D Market**

**Market Summary:** 2,4-D market was sluggish this month.

Quotations of 97% 2,4-D dove to RMB 13,000-15,000/T, and actual trading prices slid to RMB 12,500/T.



**Market Briefing:**

Firstly, costs went down, because phenol prices witnessed drops. Prices of chloroacetic acid moved variations

Secondly, market supply could be ensured. This month, some manufacturers in East China were in constant overhaul. However, other mainstream manufacturers produced stably. Besides, spot inventory was sufficient, which remained to be consumed.

Thirdly, demand was weak, because buyers lacked confidence.

**Market Forecast:**

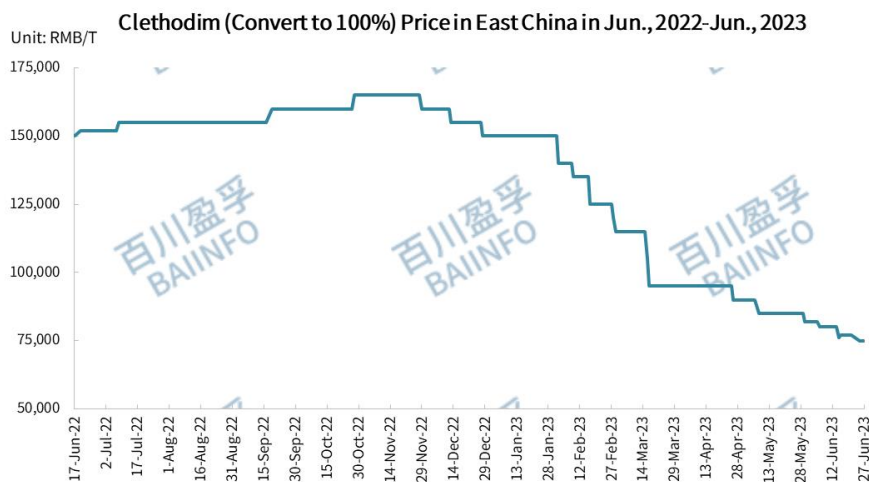
It is likely that 2,4-D prices may move sideways or edge down in Jul.

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**Clethodim Market**

**Market Summary:** Clethodim prices ran down with bleak demand this month.

Delivery offers for clethodim (convert to 100%) at Shanghai Port dipped to RMB 75,000/T, and actual trading prices slipped to RMB 75,000/T.



**Market Briefing:**

Firstly, many mainstream manufacturers produced steadily and received orders normally, satisfying market demand.

Secondly, buyers performed more cautiously about purchases. Recently, sales were numbered.

**Market Forecast:**

Clethodim prices are possible to hold unchanged or decline in Jul.

Firstly, many mainstream suppliers produce normally, and market inventory is adequate. Therefore, market supply could be ensured.

Secondly, inquiries are weak.

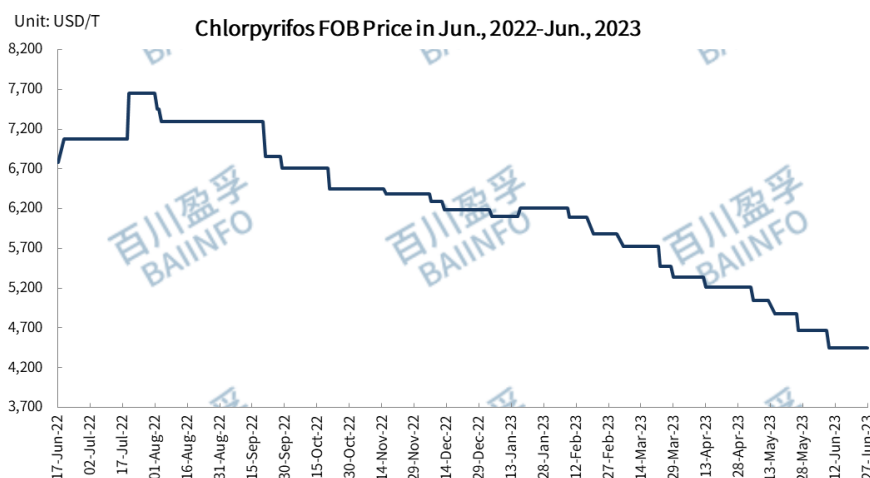
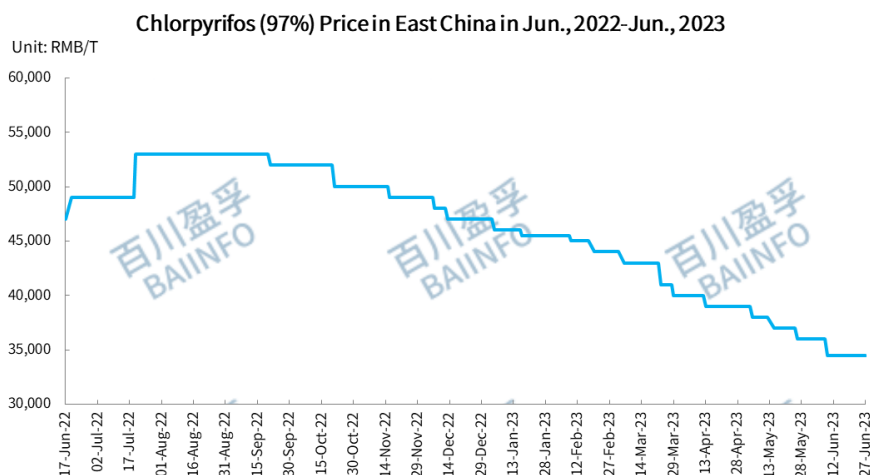
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## Insecticides

### Chlorpyrifos Market

**Market Summary:** Chlorpyrifos prices witnessed drops with soft demand this month.

Actual trading prices for 97% chlorpyrifos technical declined to RMB 34,500/T, and prices at ports sank to USD 4,420-4,490/T, FOB.



### Market Briefing:

Firstly, ethyl chloride prices moved range-bound, but trichloropyridinol sodium prices went down, resulting in weak cost support.

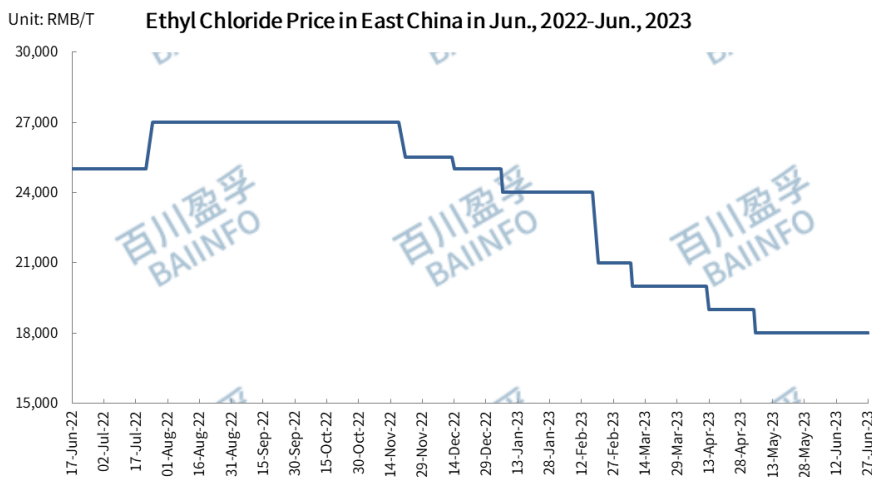
Secondly, market operation rate was not high as a whole, and inventory rose up compared to last month. This month, some suppliers still overhauled, so they didn't receive orders temporarily. However, partial suppliers produced steadily, mainly delivered previous orders but could receive orders normally.

Thirdly, buyers made purchases cautiously in a watching mood, leading to numbered deals.

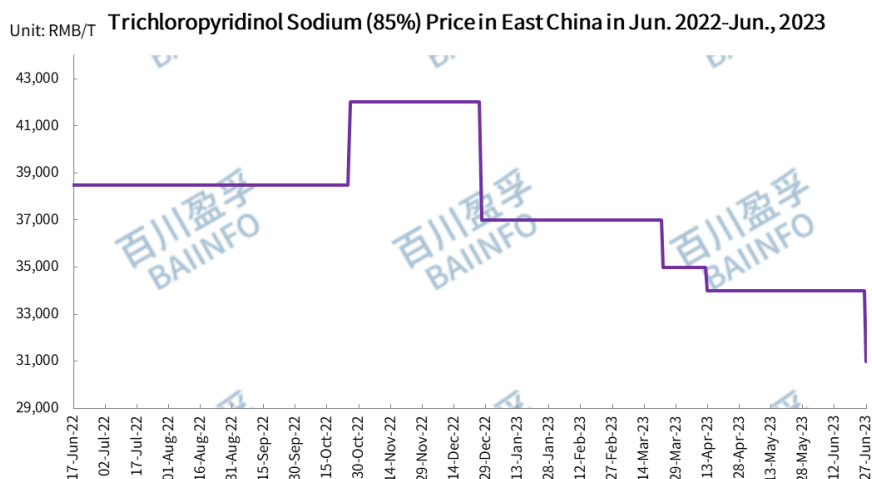
Fourthly, the industry was at losses on the whole.

**Relevant Material Market:**

**Ethyl Chloride:** Ethyl chloride market held steady this month. Trading prices remained at RMB 18,000/T. Firstly, prices of raw material phosphorus pentasulfide sustained at high levels, bringing relatively strong cost support. Secondly, market supply was relatively stable. This month, partial manufacturers were in overhaul, so they didn't have spot goods for order receiving, while some manufacturers reduced production, mainly delivered early orders but could receive new orders normally. Thirdly, buyers were cautious about making purchases amid muted buying interest, leading to the quiet trading atmosphere.



**Trichloropyridinol Sodium:** Trichloropyridinol sodium market demand was tepid this month. Trading prices were cut to RMB 31,000/T. Market details were as follows: Firstly, raw material trichloroacetyl chloride prices stabilized, bringing firm cost support. Secondly, market supply was relatively stable on the whole. Some manufacturers shut down for overhaul or produced for self-use, so they suspended order receiving temporarily. However, manufacturers that sold goods kept stable production and could receive orders normally. Thirdly, buyers showed low intention of inquiring and made purchases on rigid demand, resulting in the dim trading atmosphere.



**Market Forecast:**

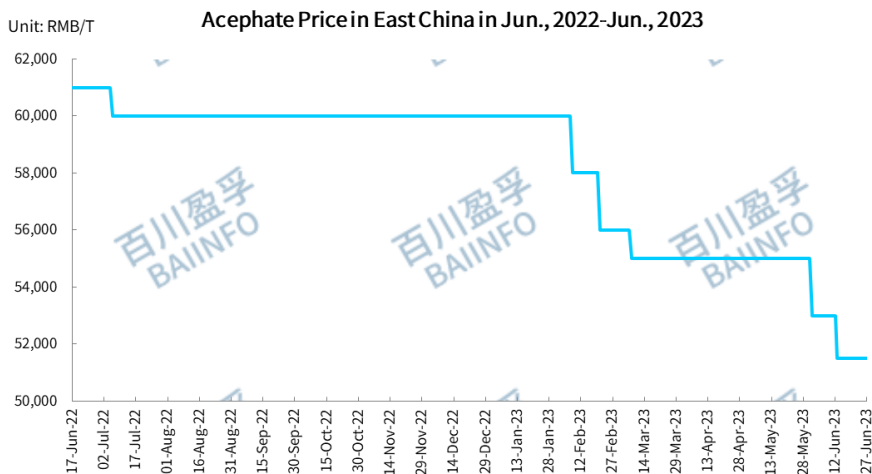
It is expected that chlorpyrifos prices may run flat in Jul., owing to weak cost support, steady market supply and mild demand.

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## Acephate Market

**Market Summary:** Acephate market softened this month.

Trading prices descended to RMB 51,500/T.



### Market Briefing:

Firstly, prices of raw material dmpat went down, providing weak cost support.

Secondly, mainstream manufacturers produced steadily and mainly delivered previous orders. Market supply was stable on the whole.

Thirdly, demand was mainly from the export market. Domestic buyers showed low intention of purchases in a cautious mood, so the trading atmosphere was quiet.

### Market Forecast:

It is predicted that acephate market may nudge down to RMB 50,000/T in Jul., considering range-bound raw material prices, steady supply and ordinary demand.

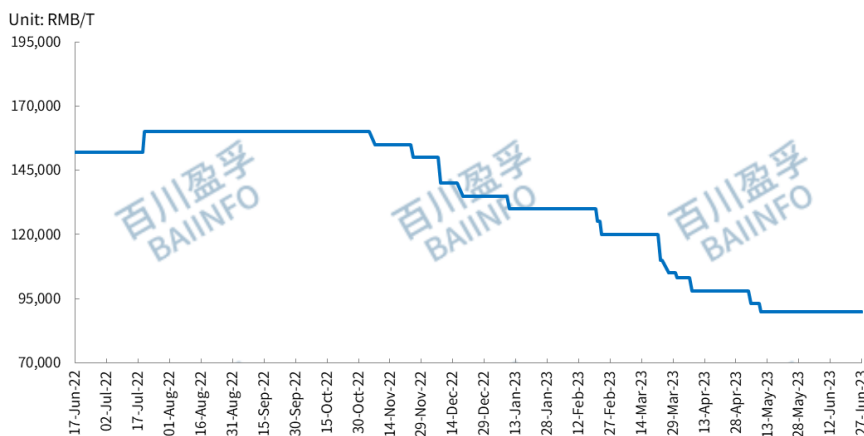
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## Imidacloprid Market

**Market Summary:** Imidacloprid market was flat this month.

Currently, mainstream manufacturers of 97% imidacloprid made offers at RMB 90,000-93,000/T, and actual mainstream trading prices stayed at RMB 90,000/T.

Imidacloprid Price in East China in Jun., 2022-Jun., 2023



**Market Briefing:**

Firstly, 2-chloro-5-(chloromethyl) pyridine prices ramped up, but prices of 2-nitroaminoimidazoline slid down. Consequently, cost support was steady.

Secondly, many mainstream manufacturers kept stable production and received orders normally in North and East China, meeting downstream demand. Furthermore, due to mild demand, market inventory was adequate, which remained to be consumed.

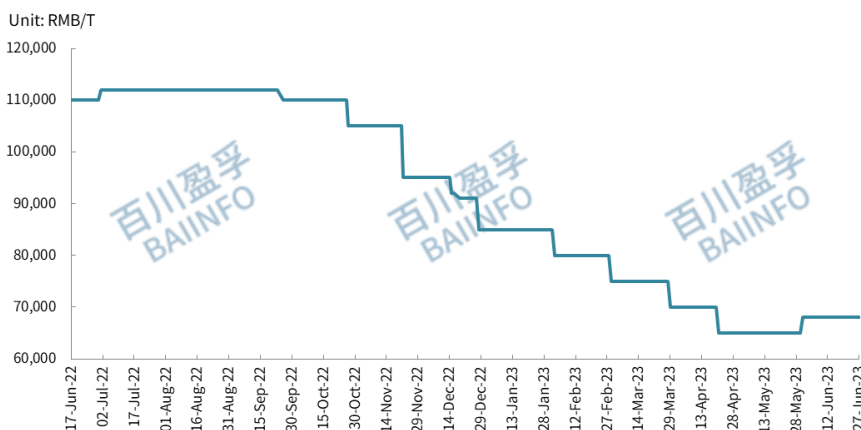
Thirdly, according to market feedback, downstream markets ran lukewarm. Buyers’ interest in inquiring and negotiating prices remained to be driven up.

Fourthly, the industry remained profitable on the whole this month.

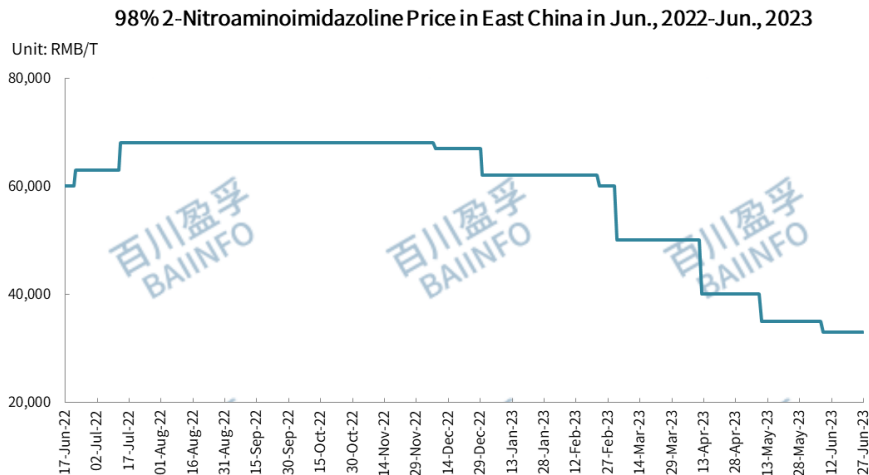
**Relevant Material Market:**

**2-chloro-5-(chloromethyl) pyridine:** 2-chloro-5-(chloromethyl) pyridine market prices rose up this month, and demand increased slightly. In East China, mainstream trading prices climbed to RMB 68,000/T. Firstly, acrolein prices held steady, supporting the market firmly. Secondly, some manufacturers mainly produced for self-use, so they didn’t sell goods. However, manufacturers that sold goods had low-level spot inventory and produced unsteadily, so they could only receive a small number of orders. Thirdly, inquiring interest was driven up by tight supply, so buyers showed more robust intention of making purchases.

96% 2-chloro-5-(chloromethyl) Pyridine Price in East China in Jun., 2022-Jun., 2023



**2-Nitroaminoimidazole:** 2-nitroaminoimidazolin market softened this month. In East China, mainstream trading prices fell to RMB 33,000/T. Market details were as follows: Firstly, prices of ethylenediamine slid down, so cost support was weak on the whole. Secondly, mainstream manufacturers produced normally and could receive orders steadily. Besides, market spot inventory was adequate. Thirdly, according to suppliers' feedback, buyers basically restocked on rigid demand. Recently, the trading atmosphere was quiet with limited deals made.



**Market Forecast:**

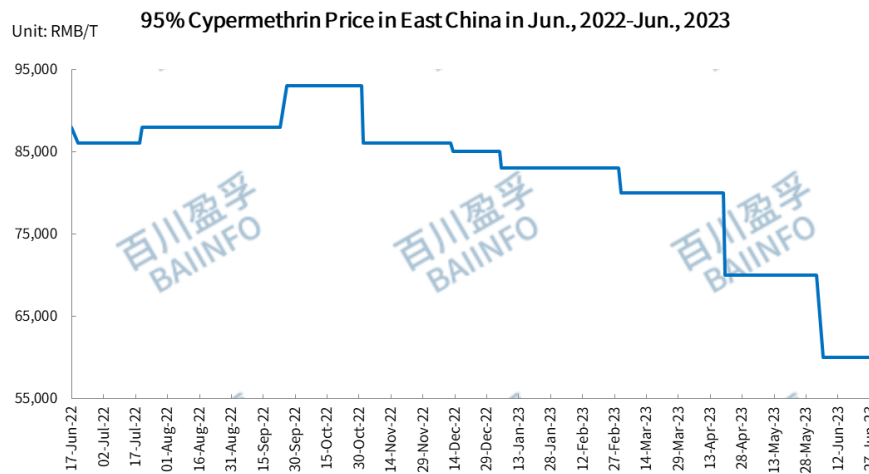
Imidacloprid market prices are anticipated to move variations in Jul., owing to steady cost support, adequate spot inventory and tepid demand.

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**Cypermethrin Market**

**Market Summary:** Cypermethrin market ran down this month.

In East China, mainstream trading prices dipped to RMB 60,000/T.



**Market Briefing:**

Firstly, relatively fixed prices of raw material provided firm cost support.

Secondly, in East China, some mainstream suppliers were in constant overhaul, and partial mainstream manufacturers still reduced production but had spot goods for order receiving.

Thirdly, according to suppliers' feedback, inquiring interest was ordinary, and domestic demand wasn't driven up evidently. Moreover, orders were scarce in the export market. On the whole, sales were mild.

**Market Forecast:**

Cypermethrin prices are estimated to perform stably in Jul.

Firstly, cost support is solid because of steady raw material prices.

Secondly, mainstream manufacturers sustain production reduction but could receive orders steadily, ensuring market supply.

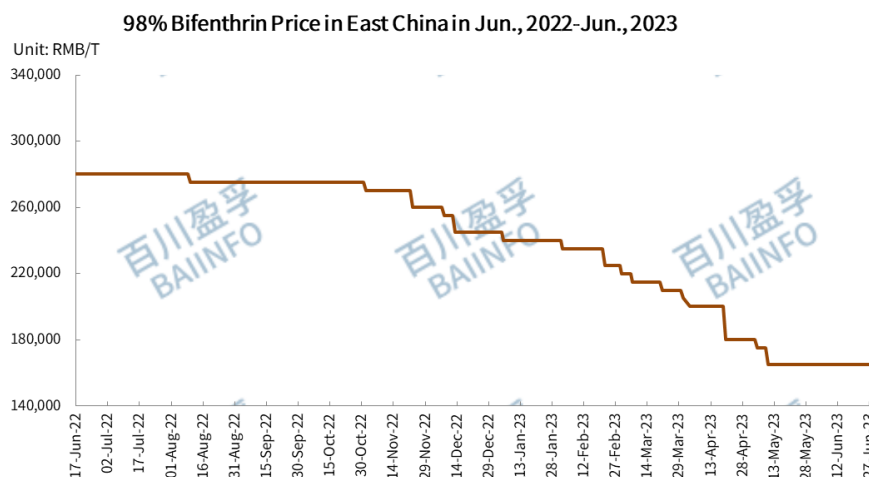
Thirdly, downstream demand is likely to continue to be tepid, and terminal buyers basically keep on-demand purchases.

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**Bifenthrin Market**

**Market Summary:** Bifenthrin market was lukewarm this month.

Mainstream trading prices for 98% bifenthrin stabilized at RMB 165,000/T in East China.



**Market Briefing:**

Firstly, prices of raw materials held fixed, underpinning bifenthrin market firmly.



Secondly, spot goods were sufficient on the whole, ensuring market supply. In East China, some mainstream suppliers constantly overhauled, and partial mainstream manufacturers maintained production reduction. However, in South China, some mainstream suppliers produced stably.

Thirdly, traders took a wait-and-see attitude and bid down prices. Recently, a small number of new deals were made.

**Market Forecast:**

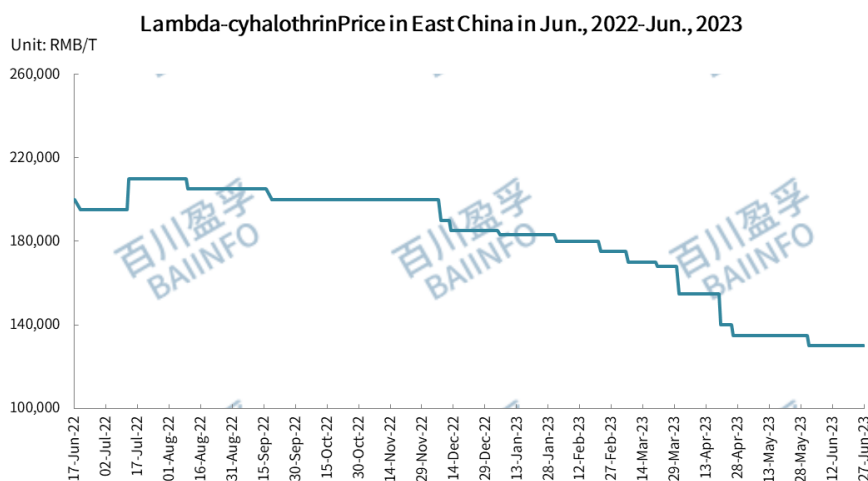
It is likely that bifenthrin prices may stabilize in Jul., based on current market conditions.

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**Lambda-cyhalothrin Market**

**Market Summary:** Lambda-cyhalothrin market softened this month.

Mainstream trading prices for 96% lambda-cyhalothrin dipped to RMB 130,000/T in East China.



**Market Briefing:**

Firstly, prices of raw materials such as lambda cyhalthrin acid went down, bringing weak cost support.

Secondly, market spot goods were ample, which could ensure market supply.

Thirdly, traders intended to bid down prices. Besides, buyers basically restocked on demand and showed no obvious intention of stockpiling. Therefore, sales were ordinary on the whole.

**Market Forecast:**

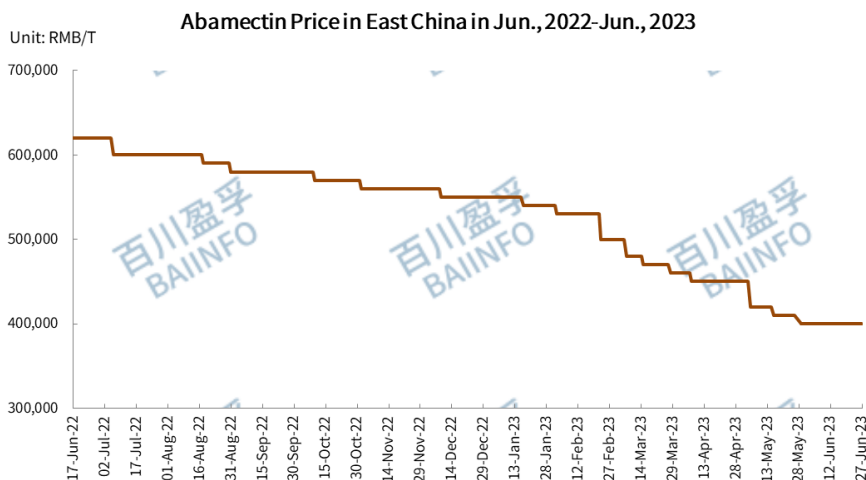
It is possible that lambda-cyhalothrin prices may hold fixed in Jul., on account of weak cost support, normal production and tepid demand.

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## Abamectin Market

**Market Summary:** Abamectin market ran flat this month.

Trading prices for 94% abamectin sustained at RMB 400,000/T.



### Market Briefing:

Firstly, cost support was robust.

Secondly, partial suppliers produced steadily and could receive orders normally. Market supply was sufficient as a whole.

Thirdly, buyers showed low intention of inquiring and made purchases on demand, resulting in scarce sales.

### Market Forecast:

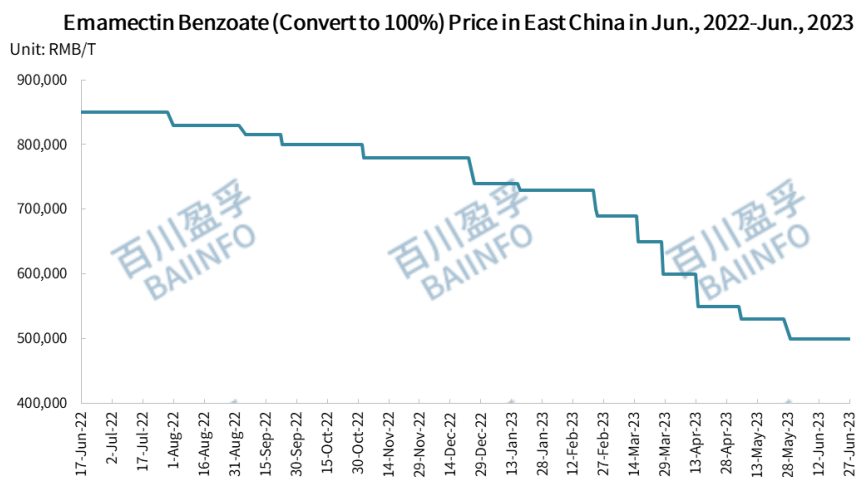
It is expected that abamectin prices may move sideways in Jul., owing to strong cost support, adequate market supply and soft demand.

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## Emamectin Benzoate Market

**Market Summary:** Emamectin benzoate prices stabilized with ordinary demand this month.

Trading prices for emamectin benzoate stayed at RMB 500,000/T.



**Market Briefing:**

Firstly, prices of raw material abamectin held unchanged, underpinning the market firmly.

Secondly, market supply was sufficient on the whole. This month, mainstream suppliers produced and received orders normally, ensuring market supply.

Thirdly, buyers held low buying interest and made purchases cautiously, leading to tepid deals.

**Market Forecast:**

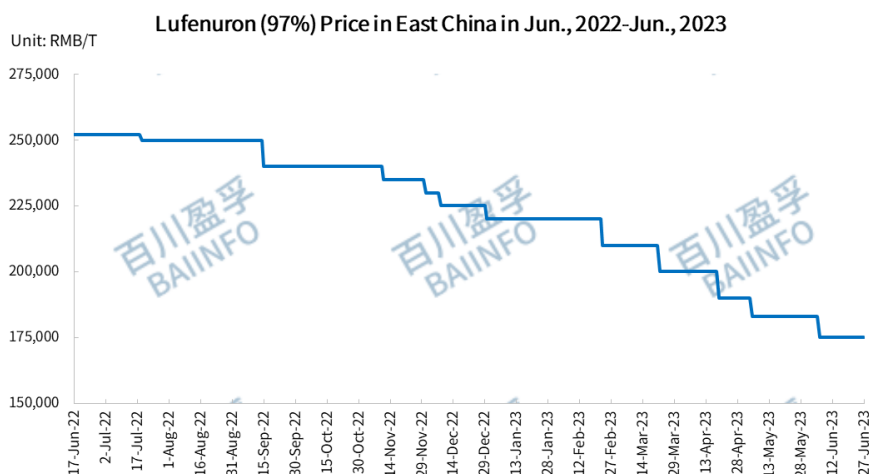
It is predicted that emamectin benzoate prices may remain fixed in Jul., because of firm cost support, adequate market supply and mild demand.

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**Lufenuron Market**

**Market Summary:** Lufenuron prices moved down amid declined demand this month.

Mainstream trading prices of lufenuron (98%) slid to RMB 175,000/T in East China.



**Market Briefing:**

Firstly, prices of raw materials sustained stability, supporting lufenuron market stably.

Secondly, many mainstream manufacturers produced normally and could receive orders. Overall, spot goods were sufficient, which could ensure market supply.

Thirdly, downstream buyers basically made purchases on demand in a cautious mood. Recently, manufacturers maintained orders from regular clients, and new orders were few.

**Market Forecast:**

It is anticipated that lufenuron prices may keep stable in Jul., based on current market conditions.

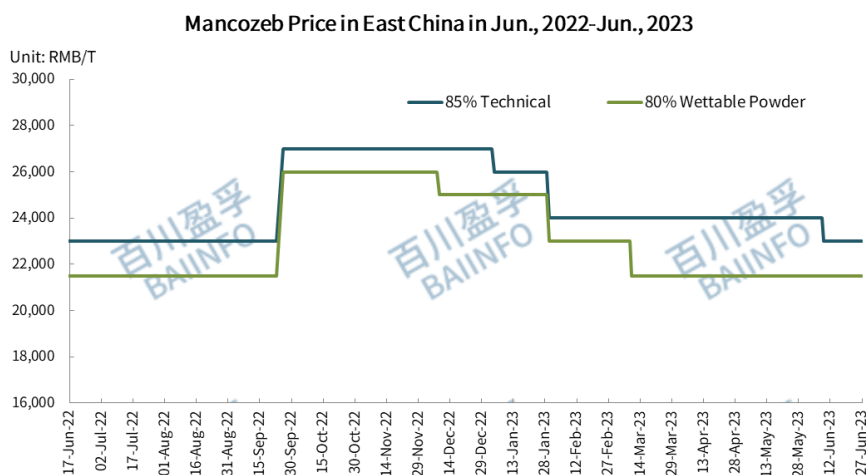
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## Fungicides

### Mancozeb Market

**Market Summary:** Mancozeb market prices ran down this month.

Partial mainstream manufacturers reduced offers. Reference trading prices for 85% mancozeb technical dropped to RMB 23,000-24,000/T, and those for 80% wettable powder slipped to RMB 21,000-23,000/T.



### Market Briefing:

Firstly, the cost side was unfavorable to the market on the whole. This month, zinc sulfate prices extended stability. However, prices of manganese sulfate sustained at low levels and prices of ethylenediamine registered a sustained downside.

Secondly, overall operation rates slid down compared to last month. This month, domestic mainstream manufacturers produced normally but mainly fulfilled previous orders, so market supply edged down.

Thirdly, downstream buyers performed cautiously about purchases, leading to the quiet trading atmosphere.

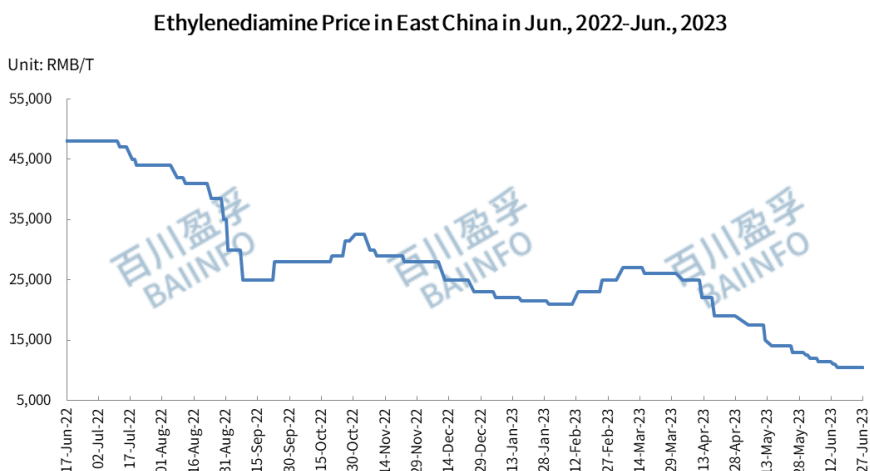
Fourthly, although market operation rates decreased, market inventory performed well because of limited demand.

Fifthly, profits were considerable.

### Relevant Material Market:

**Ethylenediamine:** Ethylenediamine market prices saw a sustained downside this month. In East China, mainstream offers for 99% ethylenediamine (barrel) fell to RMB 10,500-11,500/T, and actual trading prices descended to RMB 10,500-11,000/T for reference. Market details were as follows: Firstly, ethanolamine prices were dragged down by bleak demand, leading to bearish cost support. Secondly, some manufacturers increased production in East China, and others produced normally and could receive orders. Therefore, production rose up this month. Thirdly, demand was slack amid bearish perceptions in early Jun. However, downstream buyers took active in stockpiling before the Dragon Boat Festival, driving up the volume of deals.

In some regions, trading prices picked up. After the festival, buyers took a wait-and-see attitude, and trading prices held unchanged.



**Market Forecast:**

It is estimated that the mancozeb market will hold flat in Jul., and trading prices for 85% mancozeb technical and 80% wettable powder are likely to be at RMB 23,000-24,000/T and RMB 21,000-23,000/T for reference, respectively.

Firstly, mainstream manufacturers don't plan to overhaul and mainly deliver orders but could ship goods normally. Besides, market inventory is ample. Overall, the supply side supports the market firmly.

Secondly, buyers remain on the sidelines. Demand is predicted to be sluggish amid bearish perceptions next month, and terminal demand is also hard to be driven up.

Thirdly, ethylenediamine supply increase. However, buyers keep on-demand purchases, so ethylenediamine prices are likely to see sustained downsides, bringing no bullish cost support.

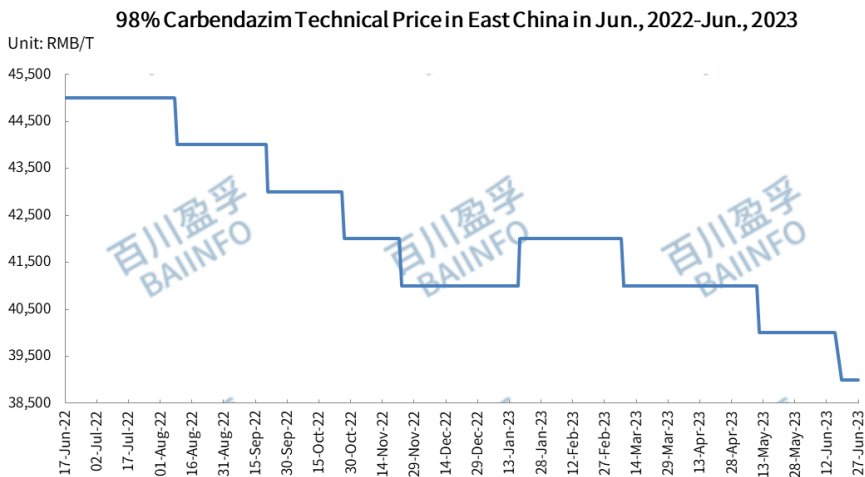
In conclusion, support from costs and demand is unfavorable. Mainstream manufacturers stabilize offers, and actual trading prices are negotiated according to specific order.

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**Carbendazim Market**

**Market Summary:** Carbendazim prices decreased slightly this month.

Mainstream suppliers of 98% white carbendazim offered at RMB 38,500-40,000/T, and actual trading prices dove to RMB 38,500-39,000/T for reference.



**Market Briefing:**

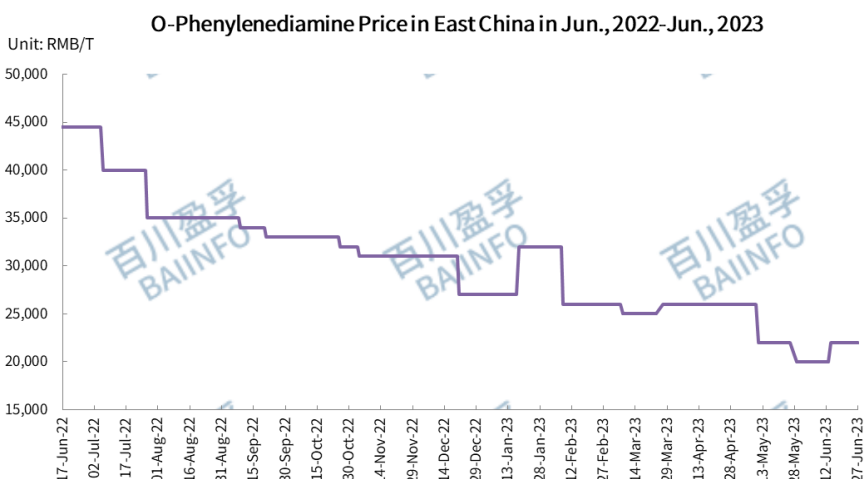
Firstly, prices of raw material o-phenylenediamine were raised tentatively, being bullish to carbendazim market.

Secondly, many domestic mainstream manufacturers maintained normal production, while individual manufacturers shut down for overhaul but had spot goods for order receiving. On the whole, market supply could be ensured.

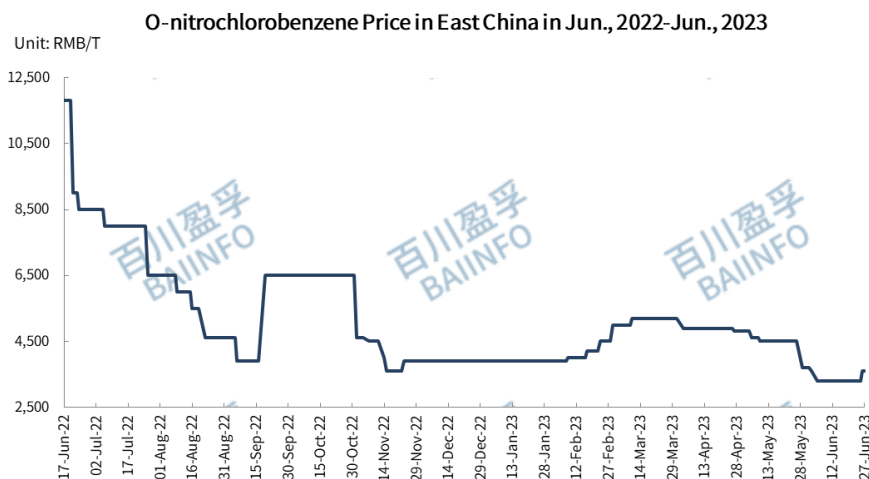
Thirdly, downstream buyers made purchases on rigid demand and made inquiries inactively in a watching mood, resulting in the gloomy trading atmosphere.

**Relevant Material Market:**

**O-phenylenediamine:** O-phenylenediamine market prices picked up this month. Mainstream offers for white o-phenylenediamine resided at RMB 22,000-24,000/T, and actual trading prices climbed to RMB 22,000/T for reference. Mainstream offers for grey o-phenylenediamine maintained at RMB 22,000/T. Factors affecting the market were as follows: Firstly, mildly declined market prices of o-nitrochlorobenzene brought weak cost support for the o-phenylenediamine market. Secondly, market supply performed well owing to domestic steady production, which could meet market demand. Thirdly, according to suppliers' feedback, downstream buyers held flat interest in restocking, so the trading atmosphere was dim.



**O-nitrochlorobenzene:** O-nitrochlorobenzene market prices rose up after descending this month, but were lower than last month. Offers by mainstream suppliers stood at RMB 3,600-3,800/T, and actual trading prices resided at RMB 3,600/T for reference. Factors affecting the market were as follows: Firstly, prices of raw material chlorobenzene saw sustained downsides, bringing bearish cost support. Secondly, market supply was relatively insufficient, and goods were limited for order receiving. This month, some manufacturers constantly shut down, so they didn't receive order in Northeast China. Moreover, some mainstream manufacturers shut down in East China at the end of Jun. Others held low-load production. Thirdly, according to suppliers' feedback, markets of pesticide and dye were sluggish. Thus, buying interest was muted amid a watching mood.



**Market Forecast:**

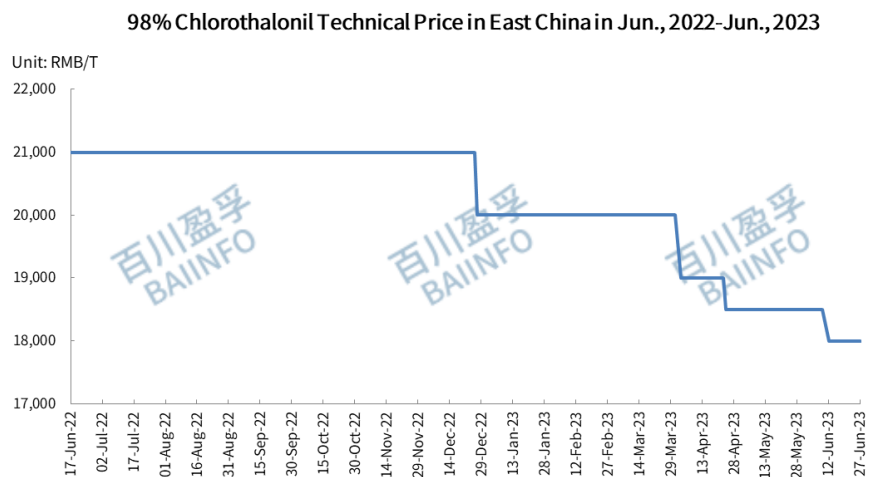
It is likely that carbendazim market prices will see horizontal movements in Jul., which are forecasted to run at RMB 38,500-39,000/T for reference, in consideration of good market inventory, slack demand and firm cost support.

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**Chlorothalonil Market**

**Market Summary:** Chlorothalonil market prices slid down this month.

Market prices for 98% chlorothalonil technical sank to RMB 18,000-19,000/T for reference, and actual trading prices dropped to RMB 18,000-18,500/T for reference.



**Market Briefing:**

Firstly, there was cost pressure on manufacturers on the whole. This month, synthesis ammonia prices descended persistently. However, liquid chlorine market fluctuated strongly.

Secondly, market supply could be ensured with high-level market inventory on the whole. This month, individual manufacturers held low-load production in early Jun. However, domestic mainstream manufacturers produced steadily.

Thirdly, buying interest was subdued, resulting in numbered deals.

Fourthly, market inventory wasn't consumed evidently, owing to lackluster downstream demand.

Fifthly, the industry was profitable on the whole but profits moved down.

**Market Forecast:**

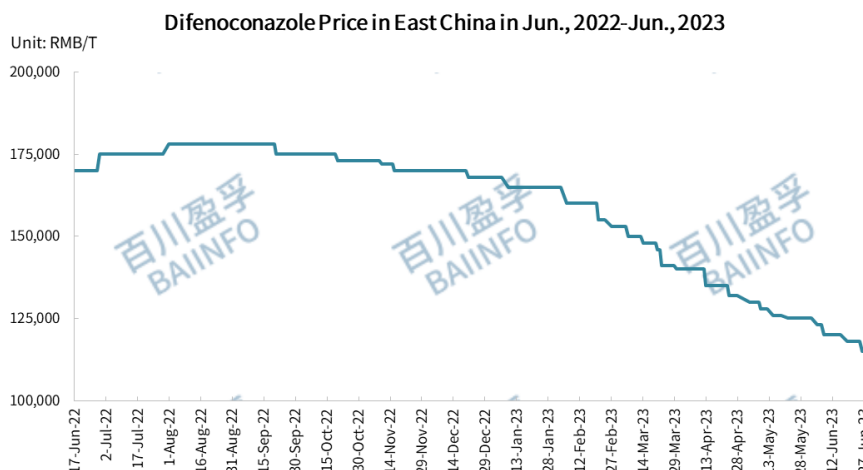
It is possible that chlorothalonil market prices will stabilize at RMB 18,000-18,500/T in Jul., due to steady market supply, soft demand and heavy cost pressure.

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**Difenoconazole Market**

**Market Summary:** Difenoconazole prices moved down this month.

Many manufacturers suspended offer making, and individual suppliers of 96% difenoconazole technical reduced offers to RMB 118,000/T, and actual trading prices fell to RMB 115,000-118,000/T for reference.



**Market Briefing:**

Firstly, support from the cost side was bearish on the whole. This month, prices of 1,2,4-triazole moved down. Besides, muted buying interest and sluggish terminal demand couldn't provide bullish support for domestic bromine prices.



Secondly, the operation rate was low as a whole. This month, some domestic manufacturers held low-load production and shipped goods based on downstream demand. Actual trading prices were discussed according to specific order.

Thirdly, traders and formulation manufacturers held subdued buying interest. Recently, new deals were scarce.

**Market Forecast:**

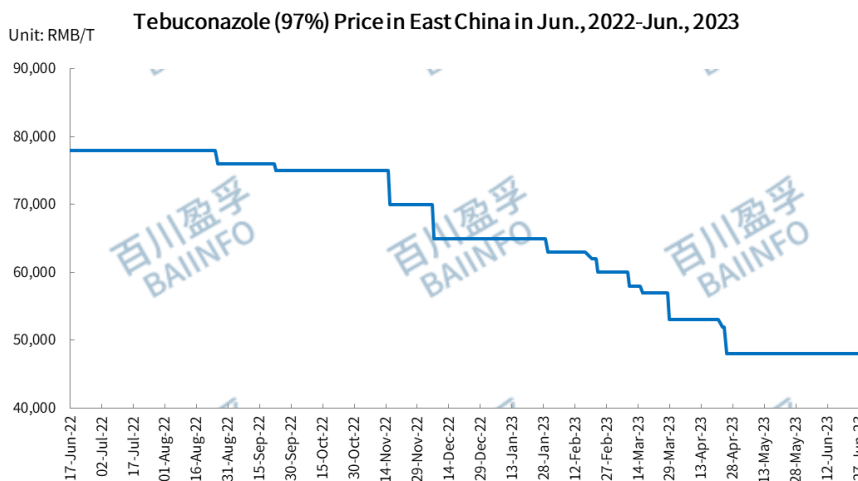
It is expected that difenoconazole market prices may hold fixed or run down, which stand at RMB 110,000-115,000/T in Jul., owing to weak cost support, low-level operation rate and sluggish demand.

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**Tebuconazole Market**

**Market Summary:** Tebuconazole prices ran flat this month.

Offers for 97% tebuconazole technical resided at RMB 48,000-50,000/T, and actual trading prices stayed at RMB 47,000-49,000/T for reference.



**Market Briefing:**

Firstly, cost support was limited, as prices of major raw material 1,2,4-triazole edged down.

Secondly, mainstream manufacturers produced as orders signed previously. Overall, market operation rates were relatively low, but the supply side supported the market stably.

Thirdly, downstream buyers kept purchases on rigid demand amid muted buying interest.

**Market Forecast:**

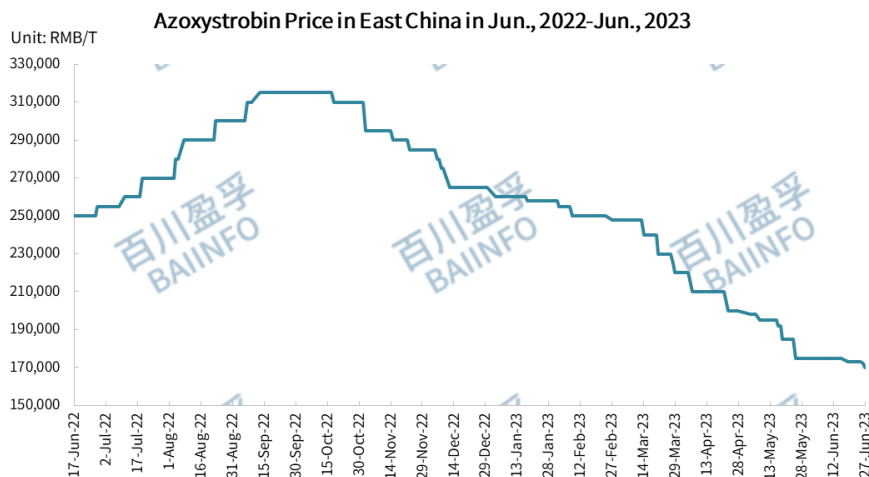
Overall, buyers make purchases on a hand-to-mouth basis. Demand is limited on the whole. It is predicted that tebuconazole prices will run fixed in Jul., which are likely to stand at RMB 47,000-49,000/T, according to current market conditions.

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## Azoxystrobin Market

**Market Summary:** Azoxystrobin prices went down after stabilizing this month.

Market offers of 98% azoxystrobin were reduced to RMB 170,000-175,000/T for reference, and actual transaction prices dipped to RMB 170,000-173,000/T for reference. For azoxystrobin technical with patent, offers were RMB 190,000/T in Shangyu and RMB 190,000/T in Jiangyin.



### Market Briefing:

Firstly, there was no bullish cost support, as prices of major raw materials 4,6-dihydroxypyrimidine, trimethyl orthoformate and salicylnitrile were at low levels.

Secondly, market supply exceeded demand on the whole. This month, partial manufacturers maintained low-load production but could receive orders normally.

Thirdly, downstream buyers restocked at low prices in a watching mood.

### Market Forecast:

It is anticipated that azoxystrobin prices will perform stably or run down in Jul., which may be RMB 165,000-170,000/T. The following aspects deserve attention.

Firstly, supply is steady. However, owing to sluggish demand, manufacturers generally reduce production, but market prices aren't driven up. It is anticipated that market demand will be slack amid a watching mood. Besides, market confidence is difficult to be encouraged without bullish news

Secondly, markets of major raw materials 4,6-dihydroxypyrimidine, trimethyl orthoformate and salicylnitrile keep weak. In sum, cost support will remain bearish.

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## Price Indicators by Functions (RMB/T)

## Herbicides

| Products                | Content                    | 27-Jun-23 | MoM     | QoQ     | YTD     | YoY     |
|-------------------------|----------------------------|-----------|---------|---------|---------|---------|
| Glyphosate              | 95%                        | 25,800    | 1.18%   | -26.91% | -46.80% | -59.69% |
| Glycine                 | 98.5%,<br>industrial grade | 11,250    | 6.13%   | -7.79%  | 4.17%   | -25.50% |
| PMIDA                   | 98%                        | 14,300    | -7.74%  | -28.50% | -47.04% | -61.61% |
| Iminodiacetonitrile     | 92%                        | 12,000    | -14.29% | -40.00% | -53.85% | -55.56% |
| Triethylamine           | 99%                        | 14,000    | 0.00%   | -13.85% | -17.65% | -22.22% |
| Glufosinate Ammonium    | 95%                        | 64,000    | -8.57%  | -32.63% | -60.00% | -73.88% |
| Paraquat                | 42% Mother<br>Liquor       | 11,300    | -5.83%  | -38.92% | -56.54% | -55.69% |
| Diquat                  | 40% Mother<br>Liquor       | 27,000    | -15.63% | -35.71% | -49.06% | -52.63% |
| Pyridine                | 99%                        | 16,000    | -11.11% | -49.21% | -60.00% | -51.52% |
| 2-chloropyridine        | 99.50%                     | 38,000    | 0.00%   | -11.63% | -11.63% | 8.57%   |
| 3-methylpyridine        | 99%                        | 49,000    | 28.95%  | 157.89% | 172.22% | 53.13%  |
| Picloram                | 95%                        | 170,000   | -26.09% | -40.35% | -46.88% | -32.00% |
| Diuron                  | 97%                        | 37,750    | -5.63%  | -10.12% | -19.68% | -16.11% |
| Isoproturon             | 96%                        | 95,000    | 0.00%   | 0.00%   | -5.00%  | 21.79%  |
| Para-nitrochlorobenzene | 99%                        | 6,300     | -10.00% | -22.22% | -17.11% | -40.00% |
| 3,4 Dichloroaniline     | 99%                        | 24,000    | 0.00%   | -22.58% | -22.58% | -25.00% |
| Nicosulfuron            | 95%                        | 210,000   | 5.00%   | 5.00%   | -6.67%  | -19.23% |
| Tribenuron-methyl       | 95%                        | 105,000   | -8.70%  | -22.22% | -22.22% | -30.00% |
| Pyrazosulfuron-ethyl    | 97%                        | 225,000   | -4.26%  | -6.25%  | -13.46% | -16.67% |
| Thifensulfuron Methyl   | 95%                        | 225,000   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Bensulfuron Methyl      | 96%                        | 162,500   | -6.07%  | -11.20% | -16.67% | -18.75% |
| Acetochlor              | convert to<br>100%         | 29,500    | -1.67%  | 1.72%   | -22.37% | -20.27% |
| Butachlor               | convert to<br>100%         | 21,000    | -8.70%  | -14.29% | -16.00% | -46.84% |
| Pretilachlor            | 95%                        | 35,000    | 0.00%   | 0.00%   | 0.00%   | -22.22% |
| Metolachlor             | 97%                        | 50,000    | 0.00%   | -7.41%  | -10.71% | -9.09%  |
| Florasulam              | 97%                        | 490,000   | 0.00%   | -3.92%  | -3.92%  | -16.95% |
| Penoxsulam              | 98%                        | 1,240,000 | -4.62%  | -8.15%  | -10.14% | -18.42% |
| Dichlormid              | 97%                        | 85,000    | 13.33%  | 13.33%  | 13.33%  | 13.33%  |
| Mefenacet               | 96%                        | 70,000    | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Atrazine                | 97%                        | 30,000    | -4.76%  | -6.25%  | -16.67% | -21.05% |
| Ametryn                 | 97%                        | 41,000    | -7.87%  | -12.77% | -18.00% | -18.00% |
| Prometryn               | 97%                        | 44,000    | 0.00%   | -2.22%  | -8.33%  | -10.20% |
| Terbutylazine           | 97%                        | 45,000    | 0.00%   | 0.00%   | -6.25%  | -6.25%  |
| Simetryne               | 97%                        | 48,000    | -4.00%  | -4.00%  | -4.00%  | -4.00%  |
| Simazine                | 97%                        | 41,000    | 0.00%   | 0.00%   | -6.82%  | -4.65%  |
| Metribuzin              | 97%                        | 92,000    | -10.68% | -16.36% | -26.40% | -34.29% |
| Isopropyl Amine         | 99%                        | 8,900     | -14.42% | -35.97% | -36.43% | -19.46% |

| Products                                       | Content            | 27-Jun-23 | MoM     | QoQ     | YTD     | YoY     |
|--|--------------------|-----------|---------|---------|---------|---------|
| Cyanuric Chloride                              | 99%                | 19,000    | -5.00%  | -9.52%  | -19.15% | -25.49% |
| Quizalofop-p-ethyl                             | 95%                | 205,000   | 0.00%   | -8.89%  | -10.87% | -8.89%  |
| Cyhalofop-butyl                                | 97%                | 128,000   | -3.03%  | -17.42% | -22.42% | -33.33% |
| Fenoxaprop-p-ethyl                             | 95%                | 180,000   | -2.70%  | -2.70%  | -2.70%  | -10.00% |
| Dicamba  | 96%                | 67,000    | -1.47%  | -4.29%  | -10.67% | -10.67% |
| 2,4-D  | 97%                | 12,500    | -10.71% | -24.24% | -40.48% | -45.65% |
| 4-chloro-O-tolyloxyacetic Acid,<br>Sodium Salt | 56%                | 21,500    | -4.44%  | -6.52%  | -6.52%  | -6.52%  |
| 2-methyl-4-chlorophenoxy<br>Acetic Acid        | 95%                | 34,500    | -9.21%  | -15.85% | -15.85% | -15.85% |
| MCPA-isooctyl                                  | 93%                | 38,000    | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Quinclorac                                     | convert to<br>100% | 155,000   | -4.91%  | -8.82%  | -8.82%  | -3.13%  |
| Bentazone                                      | 95%                | 110,000   | 0.00%   | 0.00%   | -5.17%  | -5.17%  |
| Oxadiazon                                      | 95%                | 200,000   | -9.09%  | -9.09%  | -13.04% | -23.08% |
| Pendimethalin                                  | 95%                | 62,500    | -0.79%  | -3.85%  | -6.72%  | 0.81%   |
| Fomesafen                                      | 95%                | 135,000   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Trifluralin                                    | 99%                | 38,000    | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Imazapic                                       | 98%                | 250,000   | -3.85%  | -10.71% | -24.24% | -28.57% |
| Imazamox                                       | 98%                | 480,000   | -10.28% | -22.58% | -31.43% | -41.46% |
| Imazethapyr                                    | 98%                | 180,000   | -5.26%  | -23.40% | -32.08% | -40.00% |
| Imazapyr                                       | 98%                | 250,000   | -7.41%  | -21.88% | -30.56% | -39.02% |
| Bispyribac-sodium                              | 96%                | 235,000   | -6.00%  | -17.54% | -28.79% | -38.16% |
| Clethodim                                      | convert to<br>100% | 75,000    | -11.76% | -21.05% | -50.00% | -50.66% |
| Mesotrione                                     | 97%                | 110,000   | 0.00%   | 0.00%   | -8.33%  | -21.43% |
| Oxyfluorfen                                    | 95%                | 160,000   | -3.03%  | -11.11% | -23.81% | -31.91% |
| Clomazone                                      | convert to<br>100% | 100,000   | 0.00%   | -7.41%  | -13.04% | -19.35% |
| Carfentrazone-ethyl                            | 97%                | 800,000   | -5.88%  | -11.11% | -15.79% | -15.79% |

**Insecticides**

| Products                  | Content         | 27-Jun-23 | MoM    | QoQ     | YTD     | YoY     |
|---------------------------|-----------------|-----------|--------|---------|---------|---------|
| Chlorpyrifos              | 98%             | 34,500    | -4.17% | -15.85% | -26.60% | -29.59% |
| Ethyl Chloride            | 97%             | 18,000    | 0.00%  | -10.00% | -28.00% | -28.00% |
| Trichloropyridinol Sodium | 85%             | 31,000    | -8.82% | -11.43% | -16.22% | -19.48% |
| Trichloroacetyl chloride  | 99%             | 8,000     | 0.00%  | -15.79% | -20.00% | -48.39% |
| Acephate                  | 98%             | 51,500    | -6.36% | -6.36%  | -14.17% | -15.57% |
| Dmpat                     | 95%             | 25,500    | -7.27% | -7.27%  | -36.25% | -31.08% |
| Profenofos                | 92%             | 75,000    | -6.25% | -8.54%  | -16.67% | -18.48% |
| Triazophos                | 85%             | 50,000    | 0.00%  | 0.00%   | 0.00%   | 0.00%   |
| Malathion                 | 95%             | 36,000    | 0.00%  | -5.26%  | -5.26%  | -5.26%  |
| Dipterex                  | 90%             | 19,000    | -2.56% | -5.00%  | -5.00%  | -26.92% |
| Dichlorvos                | 95%             | 25,000    | 0.00%  | 0.00%   | -24.24% | -24.24% |
| Phoxim                    | convert to 100% | 44,000    | 0.00%  | 0.00%   | 0.00%   | 0.00%   |
| Fosthiazate               | 95%             | 240,000   | 0.00%  | -4.00%  | -11.11% | -17.24% |

| Products                           | Content | 27-Jun-23 | MoM     | QoQ     | YTD     | YoY     |
|------------------------------------|---------|-----------|---------|---------|---------|---------|
| Imidacloprid                       | 95%     | 90,000    | 0.00%   | -14.29% | -33.33% | -40.79% |
| 2-chloro-5-(chloromethyl) Pyridine | 95%     | 68,000    | 4.62%   | -9.33%  | -20.00% | -38.18% |
| 2-Nitroaminoimidazoline            | 98%     | 33,000    | -5.71%  | -34.00% | -46.77% | -47.62% |
| Acetamiprid                        | 97%     | 82,000    | -1.20%  | -13.68% | -34.40% | -45.33% |
| Thiamethoxam                       | 97%     | 63,000    | 0.00%   | -30.00% | -42.73% | -40.00% |
| 3,6-dihydro-3-methyl               | 99%     | 32,000    | -3.03%  | -36.00% | -42.86% | -38.46% |
| Clothianidin                       | 97%     | 85,000    | 0.00%   | -22.73% | -32.00% | -32.00% |
| Dinotefuran                        | 98%     | 128,000   | -1.54%  | -8.57%  | -28.89% | -32.63% |
| Pymetrozine                        | 97%     | 110,000   | -15.38% | 0.00%   | -18.52% | -26.67% |
| Nitenpyram                         | 95%     | 145,000   | -4.61%  | -17.14% | -21.62% | -30.95% |
| 2-Chloro-5-chloromethylthiazole    | 98%     | 51,000    | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Abamectin                          | 94%     | 400,000   | -2.44%  | -14.89% | -27.27% | -35.48% |
| Emamectin Benzoate                 | 70%     | 500,000   | -5.66%  | -23.08% | -32.43% | -41.18% |
| Cypermethrin                       | 95%     | 60,000    | -14.29% | -25.00% | -29.41% | -30.23% |
| Bifenthrin                         | 98%     | 165,000   | 0.00%   | -21.43% | -32.65% | -41.07% |
| Fenpropathrin                      | 90%     | 170,000   | 0.00%   | 0.00%   | 0.00%   | -2.86%  |
| Fenvalerate                        | 93%     | 130,000   | -10.34% | -10.34% | -10.34% | -10.34% |
| Cyfluthrin                         | 94%     | 280,000   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Tebufenozide                       | 95%     | 222,000   | 0.00%   | 0.91%   | 0.91%   | -1.33%  |
| Diafenthiuron                      | 97%     | 120,000   | -14.29% | -14.29% | -14.29% | -20.00% |
| Hexaflumuron                       | 97%     | 480,000   | -12.73% | -12.73% | -12.73% | -12.73% |
| Propargite                         | 90%     | 60,000    | 0.00%   | 0.00%   | 0.00%   | 9.09%   |
| Lufenuron                          | 97%     | 175,000   | -4.37%  | -12.50% | -20.45% | -30.56% |
| Indoxacarb                         | 95%     | 950,000   | 0.00%   | -1.04%  | -5.00%  | -11.21% |
| Pyriproxyfen                       | 97%     | 165,000   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Chlorfenapyr                       | 97%     | 175,000   | 0.00%   | -39.66% | -39.66% | -38.60% |
| Diflubenzuron                      | 97%     | 125,000   | -10.71% | -10.71% | -10.71% | -12.59% |
| Flufenoxuron                       | 98%     | 187,500   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Bifenazate                         | 97%     | 320,000   | 0.00%   | 0.00%   | -15.79% | -31.91% |
| Methomyl                           | 98%     | 70,000    | 0.00%   | -6.67%  | -12.50% | -15.66% |
| Azocyclotin                        | 98%     | 150,000   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Clofentezine                       | 98%     | 210,000   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Fenobucarb                         | 98%     | 14,000    | 0.00%   | -3.45%  | -17.65% | -3.45%  |
| Pyridaben                          | 95%     | 105,000   | 0.00%   | 0.00%   | -2.78%  | -4.55%  |
| Fipronil                           | 97%     | 500,000   | -1.96%  | -1.96%  | -9.09%  | -9.09%  |
| Spirodiclofen                      | 97%     | 158,000   | -1.25%  | -4.24%  | -4.24%  | -7.06%  |
| Cyromazine                         | 98%     | 145,000   | 0.00%   | 0.00%   | -8.23%  | -8.23%  |
| Monosultap                         | 95%     | 23,000    | -14.81% | -20.69% | -24.59% | -34.29% |
| Isoprocarb                         | 97%     | 44,500    | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Buprofezin                         | 97%     | 78,000    | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Lambda-cyhalothrin                 | 96%     | 130,000   | -3.70%  | -22.62% | -29.73% | -33.33% |

## Fungicides

| Products                       | Content | 27-Jun-23 | MoM     | QoQ     | YTD     | YoY     |
|--------------------------------|---------|-----------|---------|---------|---------|---------|
| Mancozeb                       | 85%     | 23,000    | -4.17%  | -4.17%  | -14.81% | 0.00%   |
| Propineb                       | 85%     | 34,000    | -2.86%  | -2.86%  | -8.11%  | -8.11%  |
| Zineb                          | 90%     | 35,000    | 0.00%   | 0.00%   | -7.89%  | 0.00%   |
| Ethylenediamine                | 99%     | 10,500    | -19.23% | -59.62% | -54.35% | -78.13% |
| Carbendazim                    | 98%     | 39,000    | -2.50%  | -4.88%  | -4.88%  | -13.33% |
| Thiophanate-Methyl             | 97%     | 40,000    | -2.44%  | -4.76%  | -4.76%  | -11.11% |
| O-phenylenediamine             | 99%     | 22,000    | 0.00%   | -15.38% | -18.52% | -50.56% |
| O-nitrochlorobenzene           | 99%     | 3,600     | -20.00% | -30.77% | -7.69%  | -57.65% |
| Tebuconazole                   | 97%     | 48,000    | 0.00%   | -15.79% | -26.15% | -38.46% |
| 1,2,4-triazole                 | 95%     | 23,000    | -8.00%  | -25.81% | -25.81% | -       |
| 1,2,4-triazole                 | 99%     | 26,000    | -5.45%  | -23.53% | -23.53% | -       |
| Difenoconazole                 | 96%     | 115,000   | -8.00%  | -18.44% | -31.55% | -32.35% |
| Propiconazole                  | 97%     | 117,000   | -7.87%  | -25.95% | -34.27% | -35.00% |
| Paclobutrazol                  | 90%     | 65,000    | 0.00%   | -8.45%  | -15.58% | -23.53% |
| Flutriafol                     | 95%     | 180,000   | -5.26%  | -10.00% | -14.29% | -16.28% |
| Flusilazole                    | 95%     | 370,000   | 0.00%   | -5.13%  | -8.64%  | -8.64%  |
| Hexaconazole                   | 95%     | 100,000   | -4.76%  | -16.67% | -21.88% | -24.24% |
| Myclobutanil                   | 97%     | 140,000   | 0.00%   | 0.00%   | -4.76%  | -12.50% |
| Tricyclazole                   | 96%     | 60,000    | 0.00%   | 0.00%   | -7.69%  | -16.67% |
| Triadimefon                    | 96%     | 75,000    | 0.00%   | 0.00%   | -21.05% | -21.05% |
| Azoxystrobin                   | 98%     | 170,000   | -2.86%  | -26.09% | -35.85% | -32.00% |
| Trimethyl Orthoformate         | 99%     | 15,000    | 0.00%   | -18.92% | -18.92% | -28.57% |
| 4,6-Dihydropyrimidine          | 99%     | 75,000    | 0.00%   | -26.47% | -44.44% | -44.44% |
| Salicylnitrile                 | 99%     | 73,000    | 0.00%   | -11.52% | -11.52% | -17.05% |
| Pyraclostrobin                 | 98%     | 190,000   | -8.65%  | -22.45% | -33.33% | -21.81% |
| Chlorothalonil                 | 98%     | 18,000    | -2.70%  | -10.00% | -10.00% | -14.29% |
| Prochloraz                     | 96%     | 49,000    | -2.00%  | -14.04% | -22.22% | -24.62% |
| Fluazinam                      | 98%     | 190,000   | -5.00%  | -22.45% | -24.00% | -30.91% |
| Thifluzamide                   | 97%     | 255,000   | -7.27%  | -22.73% | -25.00% | -21.54% |
| Dicopper Chloride Trihydroxide | 97%     | 51,000    | 0.00%   | 0.00%   | 13.33%  | 2.00%   |
| Uniconazole                    | 95%     | 490,000   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Iprodione                      | 98%     | 190,000   | -2.56%  | -8.21%  | -12.44% | -16.30% |
| Hymexazol                      | 97%     | 94,000    | -6.00%  | -18.26% | -30.37% | -37.33% |
| Thiram                         | 96%     | 14,000    | 0.00%   | -22.22% | -30.00% | -30.00% |
| Metalaxyl                      | 98%     | 100,000   | 0.00%   | -4.76%  | -2.91%  | -5.66%  |
| Kresoxim-methyl                | 97%     | 330,000   | 0.00%   | -8.33%  | -8.33%  | -8.33%  |
| Cymoxanil                      | 97%     | 73,000    | -14.12% | -14.12% | -23.16% | -27.00% |
| Trifloxystrobin                | 98%     | 350,000   | -1.41%  | -9.09%  | -14.63% | -30.00% |
| Dithianon                      | 95%     | 350,000   | 0.00%   | 0.00%   | -2.78%  | -5.41%  |
| Fludioxonil                    | 98%     | 880,000   | -2.22%  | -24.14% | -26.67% | -41.33% |
| Dimetachlone                   | 90%     | 150,000   | 0.00%   | 0.00%   | -6.25%  | -9.09%  |
| Cyazofamid                     | 95%     | 500,000   | -3.85%  | -5.66%  | -30.56% | -35.90% |
| Dimethomorph                   | 98%     | 53,000    | -3.64%  | -29.33% | -37.65% | -36.14% |
| Ethirimol                      | 95%     | 350,000   | 0.00%   | 0.00%   | -2.78%  | -5.41%  |
| Procymidone                    | 98%     | 130,000   | 0.00%   | 0.00%   | -7.14%  | -10.34% |

| Products        | Content         | 27-Jun-23 | MoM     | QoQ     | YTD     | YoY     |
|-----------------|-----------------|-----------|---------|---------|---------|---------|
| Kasugamycin     | convert to 100% | 650,000   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Prothioconazole | 97%             | 290,000   | -17.14% | -36.96% | -36.96% | -44.23% |
| Epoxiconazole   | 97%             | 440,000   | -1.12%  | -2.22%  | -2.22%  | -6.38%  |
| Cyproconazole   | 95%             | 240,000   | -5.88%  | -11.11% | -17.24% | -17.24% |
| Tetraconazole   | 95%             | 750,000   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Bromothalonil   | 97%             | 200,000   | 0.00%   | 0.00%   | 17.65%  | 17.65%  |

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### Transaction Price of Basic Raw Materials (RMB/T)

| Products               | 27-Jun-23 | MoM     | QoQ      | YTD      | YoY      | Remarks  |
|------------------------|-----------|---------|----------|----------|----------|--|
| Benzene                | 6,110     | -7.14%  | -15.26%  | -7.91%   | -36.35%  | East China   |
| Styrene                | 7,160     | -8.85%  | -15.37%  | -13.89%  | -31.81%  | East China   |
| Phenol                 | 6,625     | -5.76%  | -13.68%  | -13.40%  | -37.35%  | East China   |
| Acetone                | 5,130     | -4.11%  | -15.56%  | -5.87%   | -5.87%   | East China   |
| Toluene                | 7,040     | -0.71%  | -0.14%   | 15.41%   | -21.34%  | East China   |
| Sulfuric Acid          | -50       | 0.00%   | -147.62% | -138.46% | -106.33% | 98% smelting acid low-end in East China                |
| Ethanol                | 6,350     | -1.55%  | -4.51%   | -11.19%  | -12.41%  | general-grade in East China                            |
| Methanol               | 2,060     | -1.90%  | -19.69%  | -22.41%  | -18.90%  | East China   |
| Formaldehyde           | 1,131     | -7.30%  | -16.72%  | -14.25%  | -17.63%  | 37% in East China                                      |
| Paraformaldehyde       | 4,500     | -8.16%  | -18.18%  | -15.09%  | -18.18%  | Powder, Content: 96%, East China                       |
| Acetic Acid            | 2,800     | -8.20%  | -6.67%   | -1.75%   | -28.21%  | more than 99.9% in East China                          |
| Acetic Anhydride       | 4,750     | -6.86%  | -5.00%   | -10.38%  | -34.03%  | East China   |
| Caustic Soda           | 848       | -3.75%  | -1.85%   | -35.37%  | -38.33%  | average price of 32% liquid caustic soda in East China |
| Liquid Chlorine        | 100       | 125.00% | -77.78%  | 114.29%  | 166.67%  | by tanker in Shandong                                  |
| Chloroacetic Acid      | 2,700     | 0.00%   | 0.00%    | -10.00%  | -42.55%  | Shandong   |
| Hydrazine Hydrate      | 14,700    | -5.77%  | -11.98%  | -21.39%  | -37.45%  | East China   |
| Hydrochloric Acid      | 280       | 0.00%   | -6.67%   | -20.00%  | -56.92%  | high-purity acid in East China                         |
| Synthesis Ammonia      | 2,650     | -10.17% | -34.57%  | -41.11%  | -40.45%  | Shandong   |
| Yellow Phosphorus      | 23,000    | 7.98%   | -18.73%  | -28.13%  | -38.34%  | average price in Shandong                              |
| Phosphorus Trichloride | 5,800     | 16.00%  | -22.67%  | -22.67%  | -42.00%  | Shandong   |
| Propylene Oxide        | 9,400     | -2.08%  | -8.74%   | 2.17%    | -6.47%   | East China   |

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