

## Argus Biomass Markets

The Argus Biomass Markets service is your leading publication for the international wood pellet, wood chip and palm kernel shell (PKS) sectors.

Argus Biomass Markets service can be accessed anytime and anywhere through the Argus Direct platform, which provides prices, news and analysis for the global biomass industry. We work closely with market participants to help develop biomass indexes to facilitate trade and risk management.

### Five key reasons why you need this service

#### 1 Weekly global wood pellet, wood chip and PKS spot prices

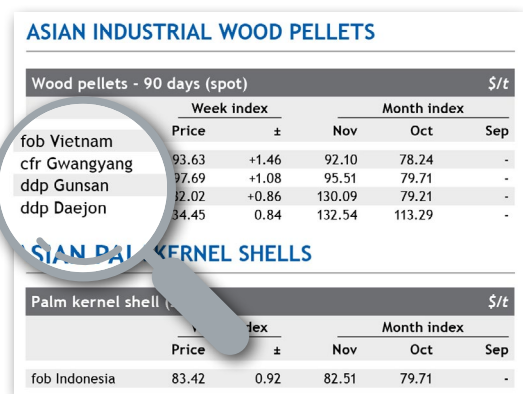
Key assessed physical biomass spot prices include:

##### Asia-Pacific

- Fob Vietnam wood pellets
- Cfr Gwangyang wood pellets
- Ddp Gunsan and ddp Daejeon wood pellets
- Fob Indonesia PKS

##### Europe

- Cif NWE wood pellets
- Fob Baltic and fob Portugal wood pellets
- Cif NWE wood chips
- Delivered northern Italy bagged and bulk premium wood pellets



ASIAN INDUSTRIAL WOOD PELLETS					
Wood pellets - 90 days (spot) \$/t					
	Week index		Month index		
	Price	±	Nov	Oct	Sep
fob Vietnam	93.63	+1.46	92.10	78.24	-
cfr Gwangyang	97.69	+1.08	95.51	79.71	-
ddp Gunsan	12.02	+0.86	130.09	79.21	-
ddp Daejeon	34.45	0.84	132.54	113.29	-

ASIAN PALM KERNEL SHELLS					
Palm kernel shell (PKS) \$/t					
	Week index		Month index		
	Price	±	Nov	Oct	Sep
fob Indonesia	83.42	0.92	82.51	79.71	-

#### 2 Fundamentals data and analysis

Argus Biomass Markets publishes a collection of valuable datasets, including import and exports, tenders, power plants and production.

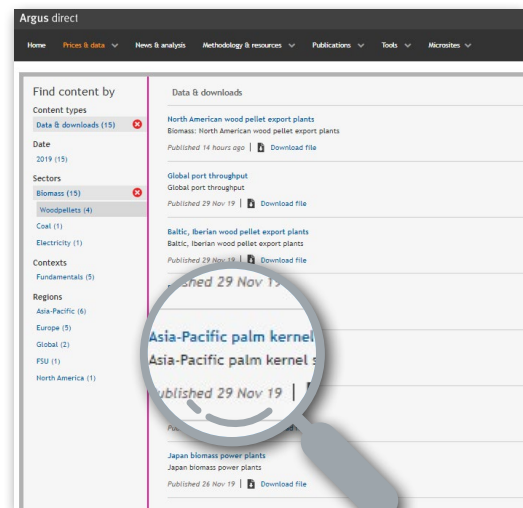
- Global port throughput

##### Biomass

- South Korea's biomass power plants
- Japan's biomass power plants
- South Korean biomass tenders
- European biomass plant projects
- European operational biomass power plants
- Asia-Pacific PKS imports
- Asia-Pacific PKS exports

##### Wood pellet

- International wood pellet trade
- North American wood pellet export plants
- Baltic, Iberian wood pellet export plants
- Russian wood pellet export plants
- Nordic wood pellet production plants
- European premium pellet production plants



Argus direct

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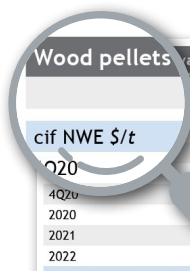
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## 3 Forward pricing market assessments

Argus Biomass Markets publishes physical wood pellet forward prices for cif northwest Europe (NWE), fob Baltic and fob Portugal wood pellets and cif NWE wood chips.



Wood pellets forward prices			
	Bid	Ask	±
<b>cif NWE \$/t</b>			
	167.50	173.50	+1.50
	167.50	173.50	+0.75
1Q20	167.00	173.00	+0.25
4Q20	172.00	178.00	nc
2020	158.50	174.50	+0.50
2021	175.00	183.25	+0.50
2022	187.25	187.25	+0.50
<b>fob Baltic €/t</b>			
1Q20	138.50	144.50	+0.50
2Q20	138.00	144.00	+0.50
3Q20	135.50	141.50	+0.50
4Q20	140.75	146.75	+0.50
2020	138.25	144.25	+0.50
2021	142.50	148.50	nc
2022	145.00	151.00	nc
<b>fob Portugal €/t</b>			
1Q20	127.50	133.50	+0.50
2Q20	125.50	131.50	+0.50
3Q20	123.25	129.25	nc
4Q20	127.00	133.00	nc
2020	125.75	131.75	+0.25
2021	128.50	134.50	nc
2022	129.50	135.50	nc

## 4 Market news and analysis

Argus' team of reports deliver insights and analysis on policy decisions, new project or production plants, power plant outages or other market trends that moves the biomass market.

Stay up to date with Argus' coverage of key events that affect prices.

### Asian Industrial Biomass: Spot continues rise

Industrial wood pellet spot prices rose on a fob Vietnam and cfr Gwangyang basis over the week, partly as a result of firmer raw material prices in Vietnam.

The spot price for industrial Vietnamese wood pellets loading in the next 90 days rose by \$1.46/t on the week to \$93.63/t fob on Monday.

Raw material costs are understood to be firming as sawdust prices increased amid higher demand for animal bedding for the winter season. This prompted wood pellet suppliers in Vietnam to raise their asking prices for the finished product.

No fresh demand emerged for imported wood pellets from South Korea in the week but state-owned utility Korea Midland Power (Komipo) issued a tender for unused woody biomass (see news, p.8).

The spot price for wood pellets cfr Gwangyang,

## 5 View market data and news on an interactive platform as part of your Argus Direct subscription

Track markets on your personalised dashboard by comparing and setting up alerts for your key prices and markets. You can also use custom graphing to directly compare multiple prices and trends and to extract price charts.



### Argus power generation fuels market services

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