



## Granular Urea 46% from Turkmenistan

Dear colleagues!

On behalf of the trade and logistics company, we can offer you Granular Urea 46% from Turkmenistan. Production of the product is carried out by the State Concern "Turkmenkhimiya", at three largest plants of the country, which can provide large volumes of supplies **up to 1 million tons per year**.

### **Exports of Urea from the manufacturer:**

- **Product:** Urea grade "B". GOST-2081-2010;
- **Basis of delivery:** FOB Turkmenbashi port (Turkmenistan), FOB port Bandar-Abbas (Iran), or DAP;
- **Delivery:** we will provide to any region of the world;
- **Quantity:** from 3000 tons per month to 1 million tons per year;
- **Packing:** bulk, bags 50kg, bags 1000kg (Big Bag).

Urea is the most concentrated Nitrogen fertilizer. It contains Nitrogen in amide form, which in soil converts first into ammonium and then into nitrate forms. It is easily soluble in water. Using anti-caking agents ensures its free flowing during storing. Urea is not subject to RID or ADR regulations.

### **Organization of supply:**

Since the buyer must follow the General procedure of exporting raw materials from Turkmenistan through the exchange of the country, we can offer several delivery options.

1. **Through an export company.** The buyer makes an advance payment or issues a letter of credit (LC/SBLC) to the export company, which buys the product on the exchange of Turkmenistan with its funds, and brings the product to the buyer's port.
2. **Through the legalization of the buyer on the exchange of Turkmenistan.** We become the principal of the buyer in Turkmenistan, prepare documents and bring the buyer directly to the commodity exchange of the country. Next, we provide the buyer for the purchase of the product, shipment, delivery to the buyer's port. At the same time, the buyer pays directly to the exchange at the lowest possible cost.

### **Logistics:**

If desired, the buyer can take over the organization of shipments and logistics of delivery. If the buyer trusts its organization to us, we are ready to offer the following options, or to consider special offers of the buyer.

1. **FOB Turkmenbashi port, Turkmenistan.** This is the port of the Caspian sea, from which it is possible to effectively carry cargo by vessels of 3000 – 5000 tons.
2. **Delivery to the Black sea.** It can be carried out from April to October through Russia, along the Volga and Don rivers. Or through Azerbaijan and Georgia at any time of the year.
3. **FOB Bandar-Abbas port, Iran.** To the port cargo moves by rail.



## Technical characteristics of Urea:

No	Name of the indicator	Higher grade	1st grade	2nd grade	For retail sales
1	Appearance	White granules	White granules	White granules	White granules
2	Mass fraction of nitrogen in terms of dry matter,%, not less	46.2	46.2	46.2	46.2
3	Mass fraction of biuret,%, not more than	1.4	1.4	1.4	1.5
4	Mass fraction of water,%, not more than:	0.3	0.3	0.3	0.3
5	Friability,%	100	100	100	-
6	Grading, %:				
	from 1 to 4, not less	94	94	94	-
	from 2 to 4, not less	70	50	-	-
	less than 1, no more	3	5	5	-
	sieve residue 6 mm	non	non	non	-
7	Static strength of granules MPa (kg / cm <sup>2</sup> ), in terms of 1 granule, N, (kgc), not less	7 (0.7)	5 (0.5)	3 (0.3)	-



## Production of granulated Urea of grade "B" in Turkmenistan:

State Concern is a state owned company of Turkmenistan and it has 3 (three) urea plants:

- Tejenkarbamid plant
- Marykarbamid plant
- Garabogazkarbamid plant



**1. Tejenkarbamid plant.** The Construction of the plant was initiated in 2001 in Turkmenistan's Tejen city and was put into service in 2006 as the first fertilizer production plant of Turkmenistan. The plant has an annual production **capacity of 350.000 tons.**

The plant meets the fertilizer needs of the agricultural lands in Turkmenistan to a large extent and makes a great contribution to the development of national agriculture as well as to national economy.



**2. Marykarbamid plant.** The solemn opening ceremony of a large gas chemical complex for the production of another nitrogen fertilizer ammonia and carbamide production plant commissioned constructed by Japanese-Turkish consortium of *Kawasaki Heavy Industries Ltd, Sojitz Corporation* and *Ronesans Endustri Tesisleri* was held in the regional center of the Mary (province of Turkmenistan).

The new complex worth more than 1 billion USD annually produces **400,000 tons of ammonia and 640,000 tons of carbamide**. The natural gas in the amount of 500 million cubic meters per year comes as a raw material of the stated products.



**3. Garabogazkarbamid plant.** The construction of the plant, occupying a territory of 60 hectares, began in December 2014 in accordance with the Framework Agreement signed by the *State Concern "Turkmenhimiya"* with a consortium consisting of the Japanese company *Mitsubishi Corporation* and the *Turkish Gap Inshaat Yatirim ve Dis Ticaret AS*.



The processing of natural gas into ammonia will be carried out according to the technology of *Haldor Topsoe AS* (Denmark) and *UOP* (USA). Carbamide synthesis will be carried out according to the technology of the Italian company *Saipem*, followed by granulation using the technology of *Uhde Fertilizer* (the Netherlands).

The plant produces **1,155,000 tons of carbamide and 640,000 tons of ammonia per year**. The daily output is 3,500 tons.

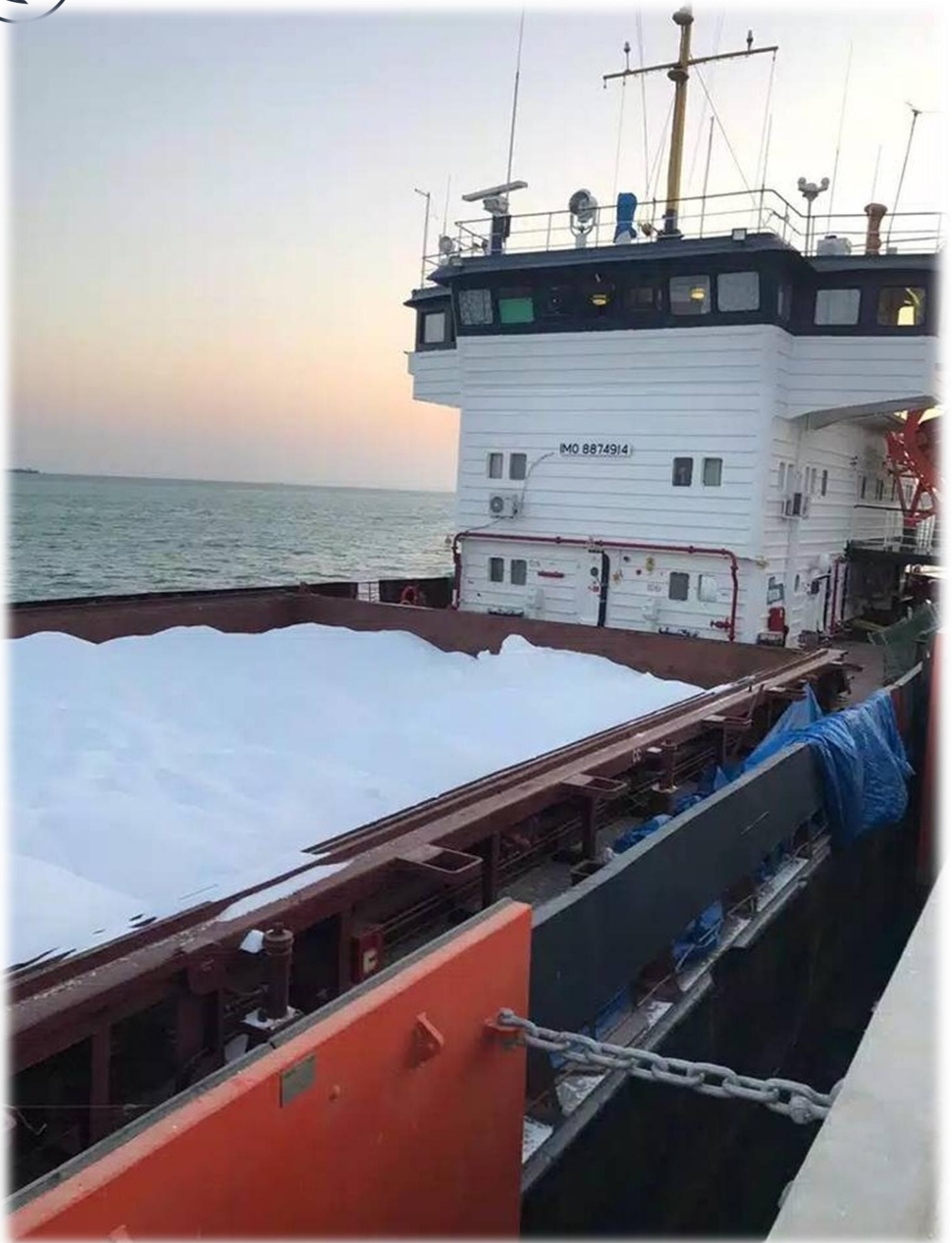
### **Granular urea:**

**Granular urea** is received from ammonia and carbon dioxide. Urea is used in an industry as raw materials at manufacturing of pitches, glues, etc., for use in agriculture as mineral nitrogen fertilizer. Urea can be utilized in animal husbandry as fodder additive.

Urea is non-combustible, fire- and is explosion-proof under normal conditions. As regards to its influence on organism, it falls into **3-rd class of hazardous substances**. Urea is packed in paper bitumized or laminated bags, polyethylene bags, woven polymeric laminated bags, woven polymeric bags with inserts, and also in soft specialized containers as MKR-1, OS.

Granular urea is stored in closed store rooms protecting the product from rainfall. At storage of product in bulk **its mixture with other fertilizers is not permitted**. It is permitted to store granular urea containers and transport packages fastened by synthetic film on open areas.









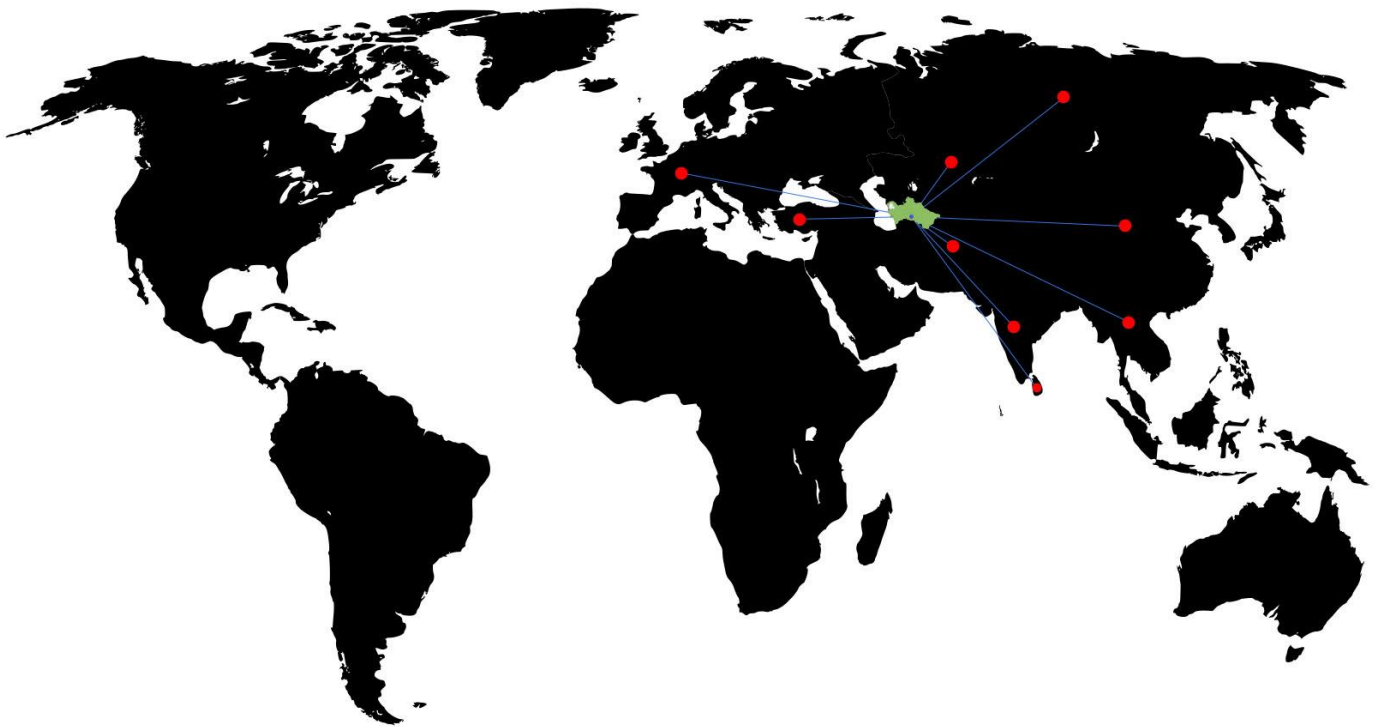






## We invite you to cooperation!

If you are interested in above-mentioned product,  
please free to contact us by our web-site or contacting details below.



## Contacts

For any questions you can contact us:

**Email:** [supply@provalue.ru](mailto:supply@provalue.ru)

**Site:** <https://provalue.ru/en/product/urea-46-from-turkmenistan/>

**Skype:** filoxsee

**Tel / WhatsApp:** +7 904 175 7770