



Investment projects



Uzkimyosanoat

Uzkimyosanoat JSC

is a Central Asia's leader in Chemical Industry

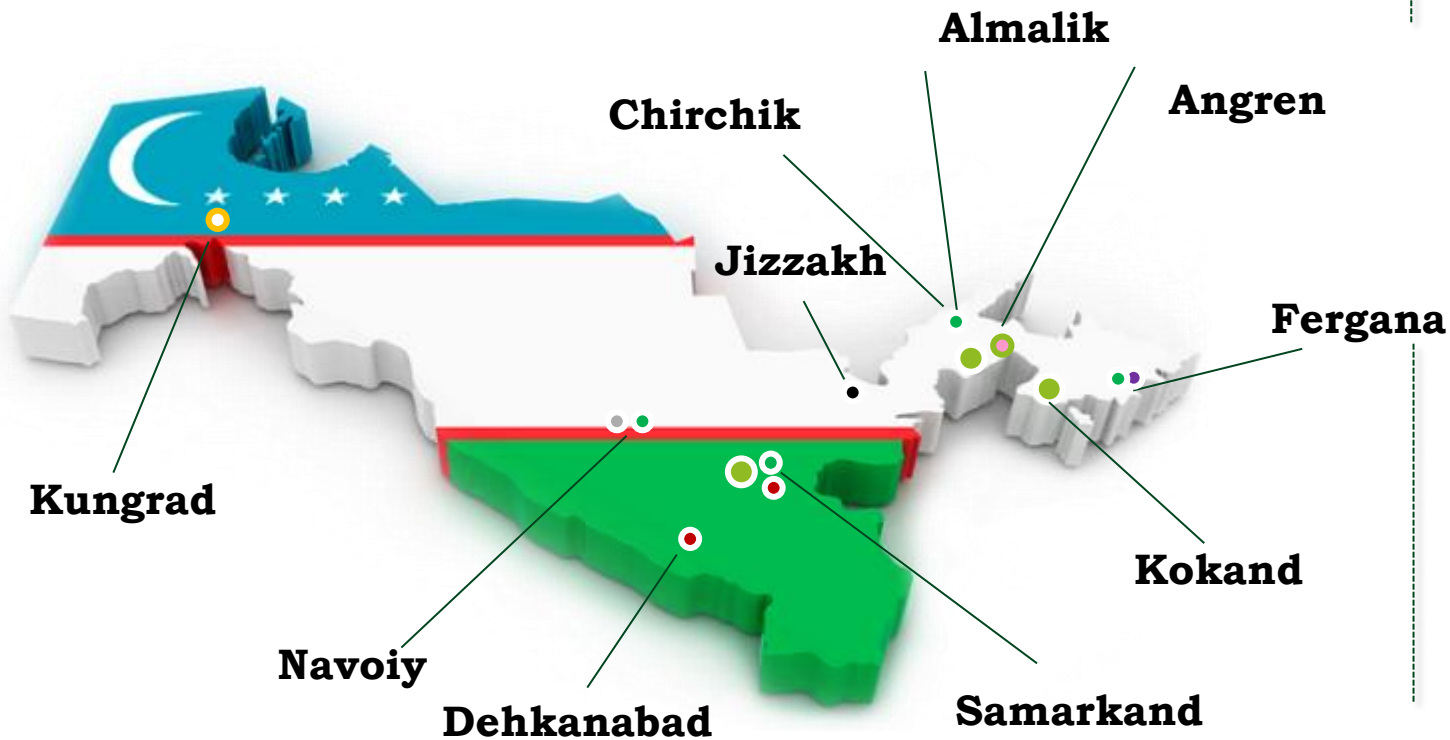


Fertilizers

- Nitrogen
- Phosphoric
- Potash

Non-fertilizer chemicals

- Plastic
- Fiber
- Cosmetics
- Soda ash
- Industrial rubber goods



14 Industrial enterprises



6 Service organizations



1 R&D and 1 design institute



180 Nomenclature



33 000 Employees

Certification



**14001:2015
50001:2011
9001:2015**

Uzkimiyosanoat JSC foreign partners



Production Line



Gaseous nitrogen
Liquid nitrogen
Concentrated nitric acid
Unconcentrated nitric acid
Acetic aldehyde technical
Liquid ammonia
Ammonia water
Argon



Acetylene pyrolysis
Acetone technical
Bicarbonate of soda
Technical hydrogen
Sodium hypochlorite
Carbon dioxide
Technical calcium chloride
Caustic soda
Oxygen liquid technical
Inhibited hydrochloric acid
Technical hydrochloric acid



Acetic acid food
Methanol
Technical sodium nitrate
Sodium chloride technical
Acrylic acid nitrile
Polyacrylamide (PAAGS flocculant)
Polyvinyl chloride (PVC) K-67 (SG-5)
Preparation K-4
Soda ash

Technical salt
Resin KFZH
Ammonium salt
Uniflock
Urotropin technical
Formalin technical
Chlorine liquid
Potassium chlorate
Sodium chlorate
Ethyl acetate

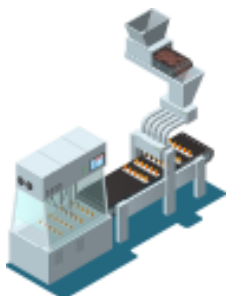
Mineral fertilizers



Ammonium nitrate
Ammonium chloride
Ammophos
Nitrogen-Phosphorus Fertilizer (NPF)
Liquid Chlorate-Magnesium Defoliant
Liquid nitrogen-calcium fertilizer
Liquid complex fertilizer DARMON
Urea
Complex fertilizer UNI-Agro
Potassium nitrate
Nitrofos
Polyanionic cellulose ether
Ammonium sulfate

Potassium sulfate
Magnesium sulfate
Sulfourea
Superphosphate
Suprefos - NS
Trinary Phosphate
Fertilizer mixture
KAS-32
Phosphourea
Phosphate rock 16%
Potassium chloride
NPK fertilizers
PS-Agro

Other products



Car tires
Baby diapers
Medical masks
Antiseptic

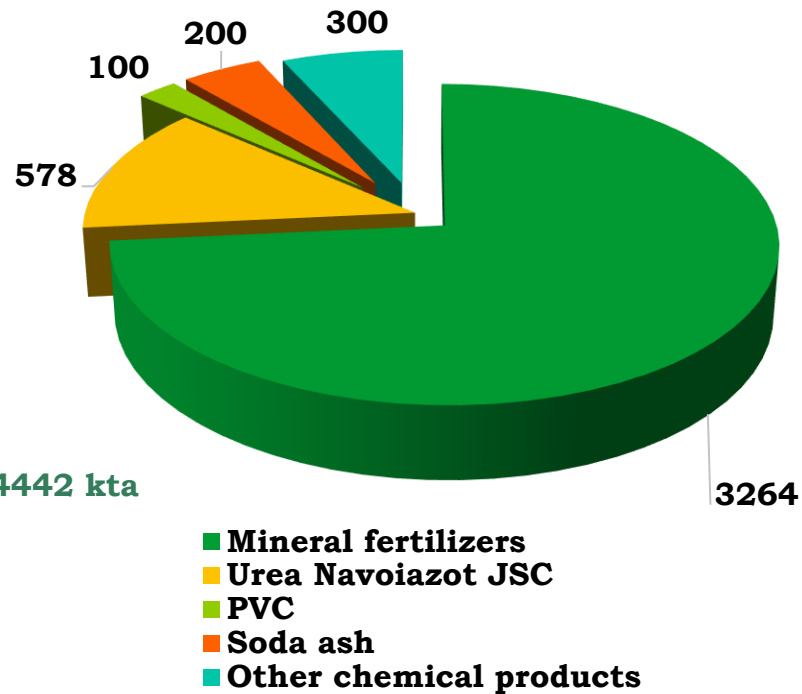
Polyethylene film
Polyethylene pipes
Conveyor belts
Agricultural tires



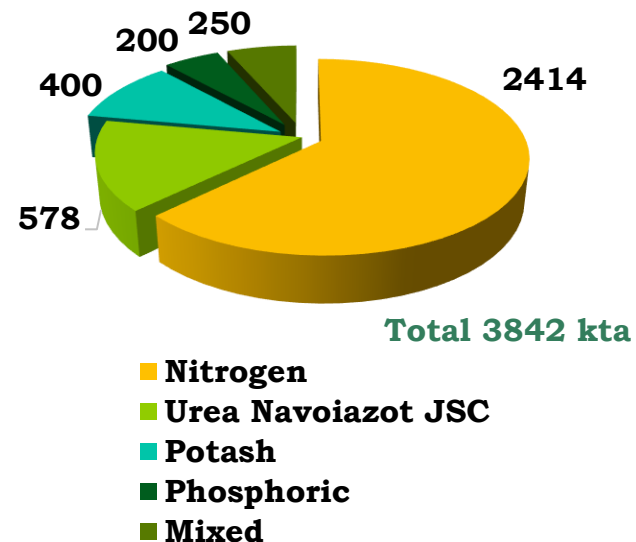
The annual production of chemical products of Uzkimyosanoat JSC enterprises



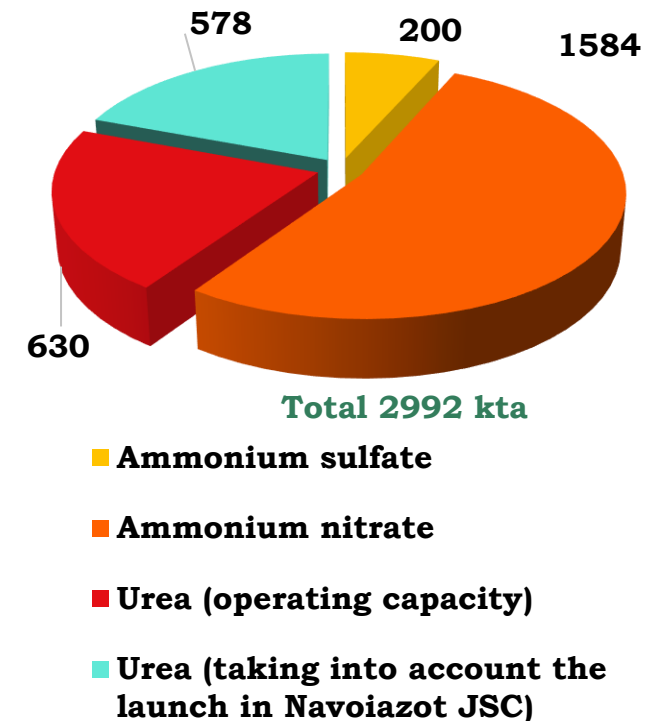
**Production volume of chemicals
(kta per year)**



**Production volume of
mineral fertilizers
(kta per year)**



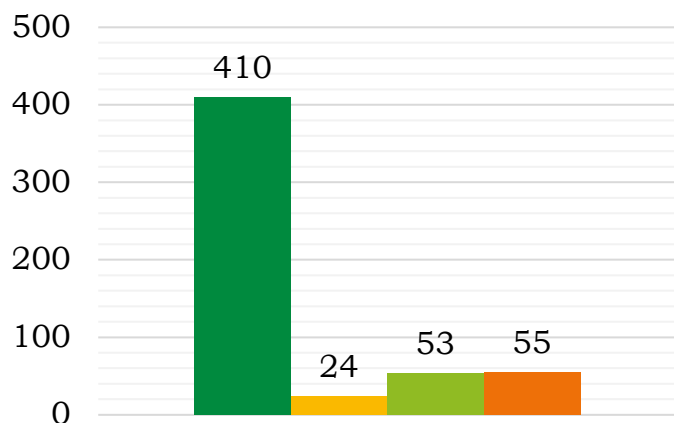
**Production volume of
nitrogen fertilizers
(kta per year)**



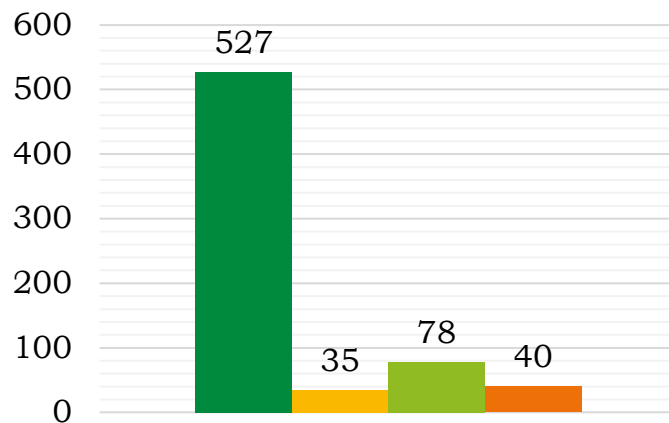
Diversification of manufactured chemical products by Uzkimyosanoat JSC 2019-2022 (million USD)



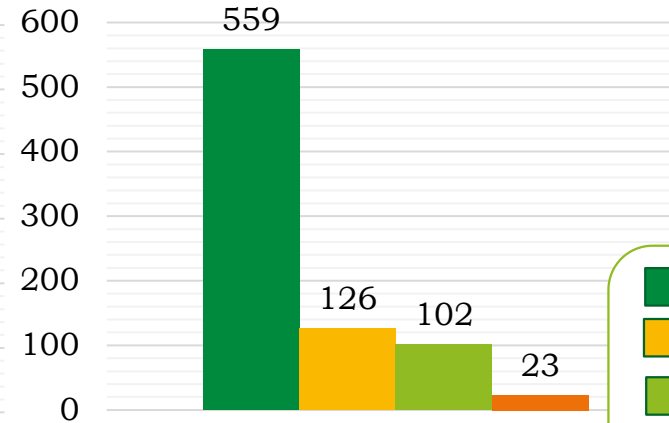
2018



2019

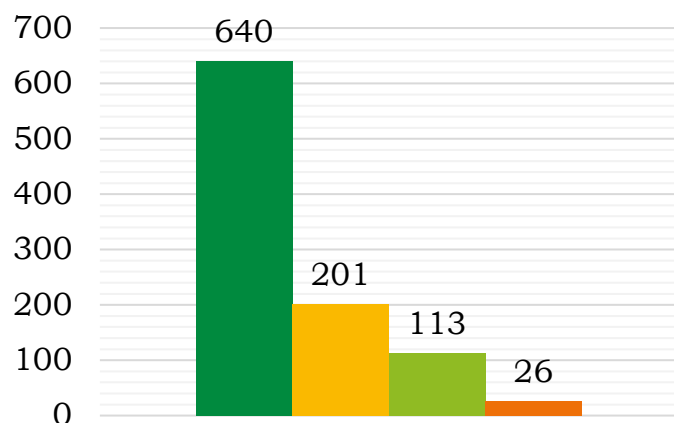


2020

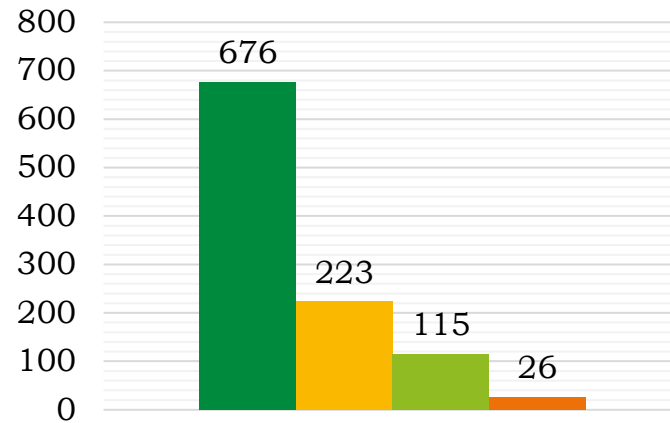


- **Agrochemical products**
- **Organic chemistry products**
- **Non-organic chemistry products**
- **Chemical reagents and other products**

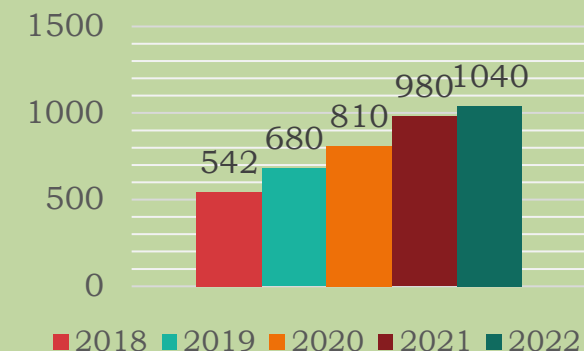
2021 (forecasted)



2022 (forecasted)



Total production 2018-2022



Efficient use of assets and improvement of the financial condition of Uzkimyosanoat JSC organizations



For the modernization, expansion of existing and creation of new energy-efficient capacities for the production of nitrogen, phosphorus, potash and complex mineral fertilizers on the basis **Ferganaazot JSC** and **Dekhkanabad Potash Fertilizers Plant LLC** Uzkimyosanoat JSC is planning to sell a **51% shares** of both companies.



Farg'onaazot JSC specializes mainly in the production of acetate yarns, defoliants and cellulose acetates (for the production of acetate fibers), mineral (nitrogen) fertilizers, including:

Ammonia **450 thousand ton**

Ammonium nitrate **500 thousand ton**

Nitric acid **396 thousand ton**

Urea **360 thousand ton**

Organization of production of potash fertilizers makes it possible to expand the volume of production and export of mineral fertilizers produced by the enterprises of Uzkimyosanoat JSC. Dekhkanabad Potash Plant JSC, which produces **600 thousand tons** potash fertilizers, is the only producer of these products in Central Asia.



Uzkimyo sanoat JSC investment program 2019-2030



12

projects
agrochemicals

3

projects
polymer
products

16

projects
other
chemicals

Projects



30+

10-15%



Payback
period
<10 years



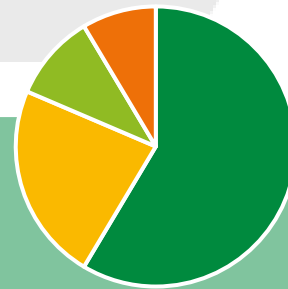
New
workplaces

5k + employees



Total
investment

US\$
12,0+ bln



67 %

Non-agro
chemicals
share increase

24 %

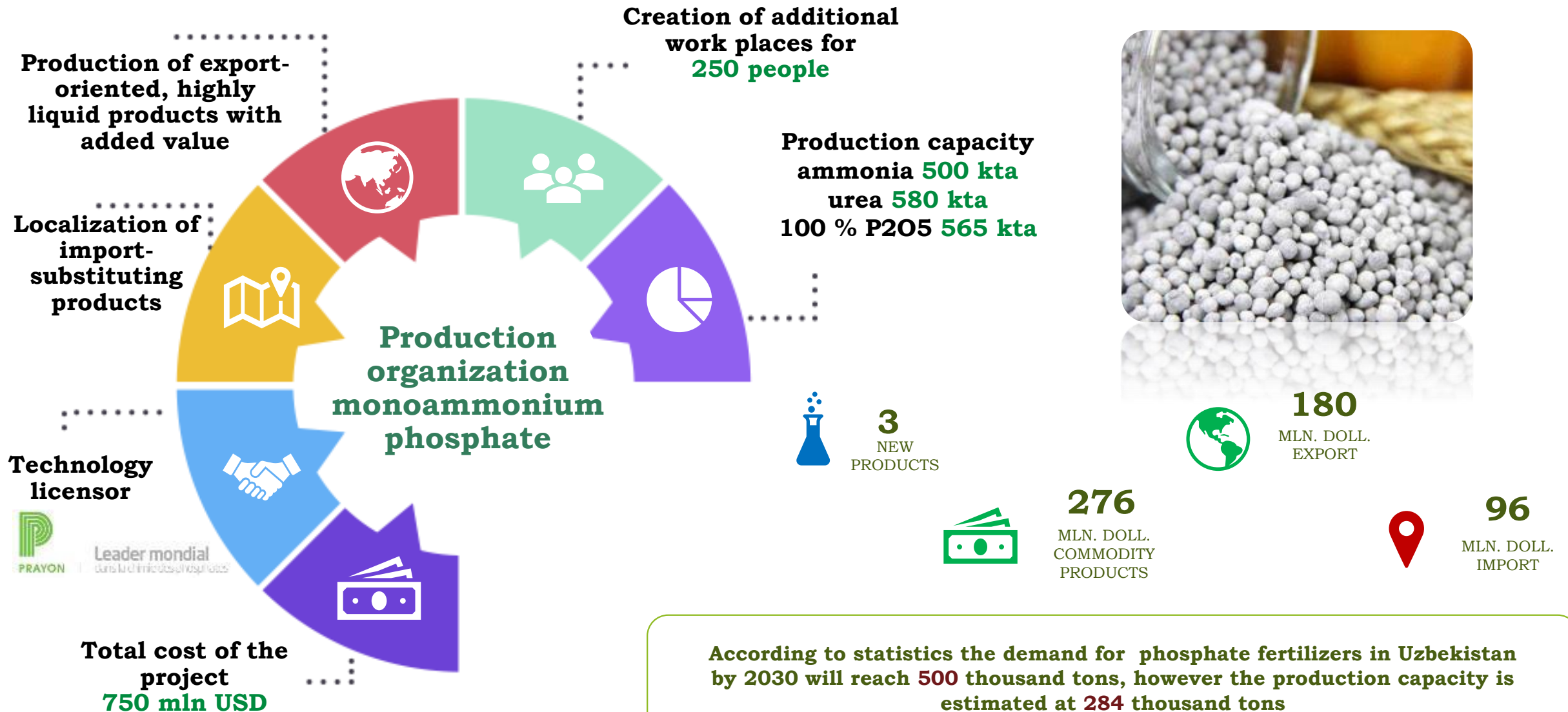


Production organization monoammonium phosphate in Tashkent region



Uzkimyosanoat

Objectives and parameters of the project



Production stages of monoammonium phosphate

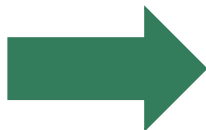


2021-2024

1700 kta
production and
processing of
sulfuric acid

365 kta.
100 % P₂O₅

400 kta
urea



2024-2027

2400 kta
production and
processing of
sulfuric acid

565 kta
100 % P₂O₅

500 kta
ammonia
580 kta
urea



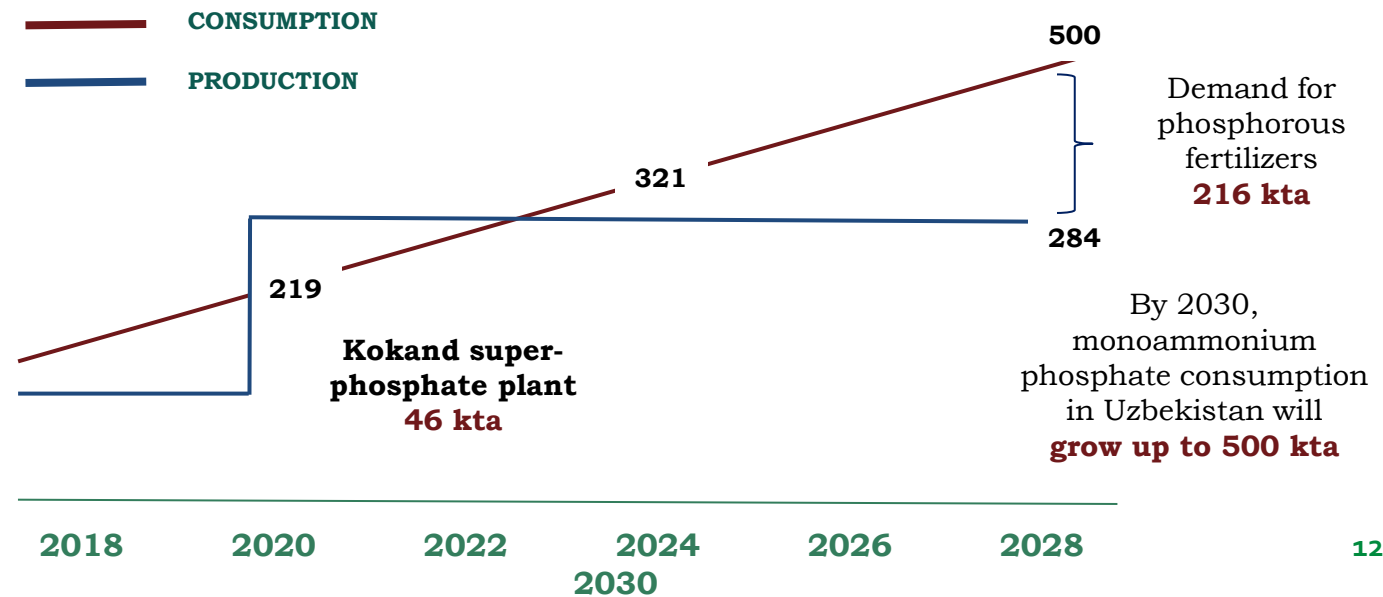
Monoammonium phosphate market analysis



MONOAMMONIUM PHOSPHATE EXPORT FLOWS



DEMAND OF PHOSPHOROUS FERTILIZERS IN UZBEKISTAN BY 2030 (kta)



Proposed investment projects



Organization of methanol-based monoethylenglycol and diethylenglycol production



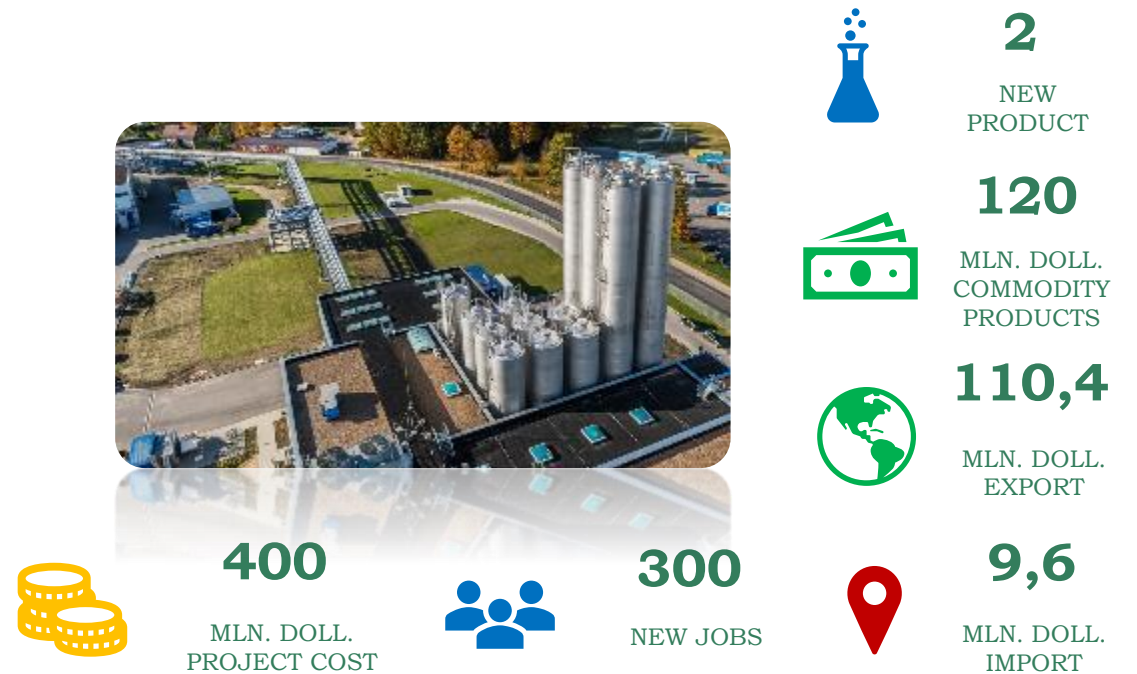
Technology licensor :



Johnson Matthey -



Organization of methanol-based polyoxymetilen production



Technology licensor :



Polyacetal (POM)
DURACON[®]



Proposed investment projects



Organization of technical carbon production



1
NEW
PRODUCTS



55
MLN. DOLL.
COMMODITY
PRODUCTS



100
MLN. DOLL.
PROJECT COST



150
NEW JOBS



55
MLN. DOLL.
IMPORT

Technology licensor :



KraussMaffei
Berstorff

HALDOR TOPSOE 

Organization of methanol-based formaldehyde, polymethyl methacrylate and acetic acid production



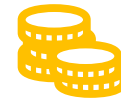
6
NEW
PRODUCT



102
MLN. DOLL.
COMMODITY
PRODUCTS



52
MLN. DOLL.
EXPORT



345
MLN. DOLL.
PROJECT COST



100
NEW JOBS



50
MLN. DOLL.
IMPORT

Technology licensor :



 **KBR**

 **CHIYODA**
CORPORATION

Proposed investment projects



Organization of colloxylin and pyroxylin production at Ferganaazot JSC



2
NEW
PRODUCTS



32,5
MLN. DOLL.
COMMODITY
PRODUCTS



15
MLN. DOLL.
EXPORT



140
MLN. DOLL.
PROJECT COST



100
NEW JOBS



17,5
MLN. DOLL.
IMPORT

Technology licensor :



Bowas-Induplan Chemie
Ges.m.b.H. Salzburg Austria

Organization of technical and cord fabrics production, as well as staple fiber at Ferganaazot JSC



3
NEW
PRODUCTS



75
MLN. DOLL.
COMMODITY
PRODUCTS



25
MLN. DOLL.
EXPORT



88
MLN. DOLL.
PROJECT COST



350
NEW JOBS



50
MLN. DOLL.
IMPORT

Technology licensor :

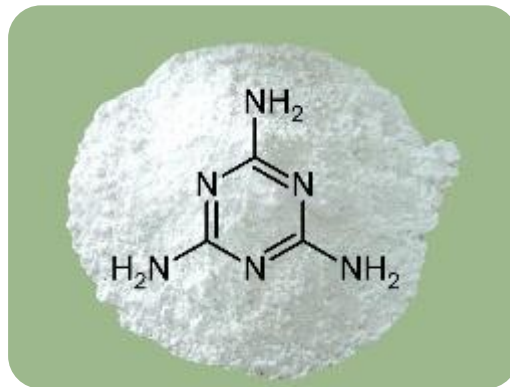


BENNINGER

Proposed investment projects



Organization of melamine production at Ferganaazot JSC



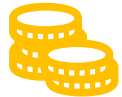
1
NEW
PRODUCT



60
MLN. DOLL.
COMMODITY
PRODUCTS



30
MLN. DOLL.
EXPORT



177
MLN. DOLL.
PROJECT COST



200
NEW JOBS



30
MLN. DOLL.
IMPORT

According to the Boston Consulting Group report, the demand for melamine in neighboring countries is 360 thousand tons, the average demand is 10-30 thousand tons per year.

Technology licensor :



Organization of paint and varnish products production



2
NEW
PRODUCT



40
MLN. DOLL.
COMMODITY
PRODUCTS



25
MLN. DOLL.
EXPORT



100
MLN. DOLL.
PROJECT COST



50
NEW JOBS



15
MLN. DOLL.
IMPORT

Technology licensor :



**Thanks for
your
attention!**



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