

# THE MAIN TYPES OF TREES AND SHRUBS AND THEIR SIGNIFICANCE IN THE GREENING OF THE CITY OF NUKUS

Kamalova Nargiza Bekturganovna

Teacher of Karakalpakstan institute of agriculture and agrotechnology

Urazbaeva Sevara Makhmudovna

Student of Karakalpakstan institute of agriculture and agrotechnology

**Abstract:** This article talks about the selection of the main types of trees and shrubs and their importance in landscaping the city of Nukus. Before choosing ornamental trees and shrubs in the irrigated lands of Karakalpakstan, we should consider the natural and geographical conditions of the place. This is because the conditions of each region are different. Choosing ornamental trees in such areas requires deep knowledge and experience.

**Key words:** greening, tree species, phenological observation, introduction, importance.

Before choosing ornamental trees and shrubs in the irrigated lands of Karakalpakstan, we should consider the natural and geographical conditions of the place. This is because the conditions of each region are different. Choosing ornamental trees in such areas requires deep knowledge and experience.

In order to correctly select new plant seedlings introduced for the purpose of landscaping, it is very important to know the decorative qualities of plants, as well as to take into account their biological characteristics and their requirements for external environmental conditions. Because different trees have different requirements for temperature, light, air humidity. Plants go through a series of stages in their individual development - from juvenile to maturity. During these periods, a plant is characterized by different sizes, shapes, and growth rates of its branches.

These allow you to determine which species to grow in which climate and how to use them.

In order to study the life of trees and shrubs introduced to the conditions of the city of Nukus and their seasonal events, the following observations were made [2; pp. 208-212]:

- ✚ swelling of leaf buds and flower buds;
- ✚ flowering period of trees;
- ✚ fruiting age of trees;
- ✚ repetition of fruiting;
- ✚ ripening period of fruits and seeds;
- ✚ the colors of the fruit;

The obtained results were recorded in special tables (Table 1).

1-table

### Periods of seasonal events in trees and shrubs

Tree and shrub species	Fruiting age of trees	Repetition of fruiting	Flowering period (months)	Periods of maturation	Fruit color
<i>Amorfa fruticose</i>	3-4	every year	may-june	august-september	brown color
<i>Ulmus pumila</i>	8-10	every year	april	april-may	gray color
<i>Robinia pseudoacacia</i>	3-4	every year	april-may	august-september	brown color, black
<i>Acer campestre</i>	5-10	every year	may-june	september - october	yellow, red
<i>Acer negundo</i>	6-8	1-2	april-may	september - october	yellow, red
<i>Populus nigra</i>	8-10	1-2	april	may-june	green
<i>Populus alba</i>	8-10	1-2	april-may	may-june	green

Many introduced ornamental tree and shrub species were identified during the next 10 years during the monitoring of many test areas and the surroundings of city buildings of the city of Nukus, Republic of Karakalpakstan (Table 2) [1; pp. 208-212].

2-table

### Identification of introduced tree species in Nukus

Tree species	The height of the tree is m,	Soil demand	Scenicness	Homeland	Tree condition
1	2	3	4	5	6
<i>Juniperus</i>	15-30 m, up	It grows in dry	Antlers are narrowly	North	Satisfactory

<i>virginiana</i>	to	stony, sandy and marshy and moist loamy soils	ovate or spreading. Branches from the bottom of his body	America	
<i>Platicladus orientalis</i>	up to 10 m	It grows in different soils. But it grows well in calcareous sandy soils.	The horn is pyramidal in shape.	Mountains of North China	Satisfactor y
<i>Robinia pseudoacacia</i>	Up to 18-25 m	It grows in relatively saline soils of dry, even steppe and semi-desert regions.	The cones are pyramidal or spherical in shape.	North America	Satisfactor y
<i>Acer campestre</i>	up to 10-15 m	Less demanding on soil fertility, resistant to saline soils.	The horn is wide pyramidal.	North America	Good
<i>Catalpa speciosa</i>	15-20m, up to	It also grows on relatively weak sand soils and dry clay soils.	Branches are pyramidal or wide. The body grows upright.	North America	Good
<i>Ligustrum vulgaris</i>	up to 3-4 m	It grows in relatively weak saline soils.	Living walls are used in planting.	Japan	Good
<i>Amorfa fruticose</i>	3-6 m, up to	Does not choose soil. It also grows in saline soil. It grows better in sandy soils.	A bush with bent branches. Living walls are used in planting.	North America	Satisfactor y
<i>Salix babylonica</i>	up to 10-15 m	Less demanding on soil fertility, resistant to saline soils.	A tree with ring-shaped branches.	Iran	Good
<i>Sophora japonica</i>	up to 15 m	The soil is not picky, it is resistant to soil dryness and salinity.	It is very decorative, especially during the flowering period, with dark green, thick branches and harmonious leaves.	China, Japan	Good

Based on the information collected from scientific sources about scenic and protective forest trees and the data in the above table collected from practical experimental areas, according to the climate and soil conditions of the place, and

based on the analysis of the ecological conditions of those that give the best results in greening In the conditions of the city of Nukus, depending on the condition of the soil, it is recommended to grow the following trees:

**In the saline lands of the city of Nukus:** *Juniperus virginiana*, *Platycladus orientalis*, *Robinia pseudoacacia*, *Acer campestre*, *Catalpa speciosa*, *Amorfa fruticosa*, *Salix babylonica*, *Sophora japonica* like trees

#### REFERENCES

1. Қайимов А.Қ., Ҳамроев Х.Ф., Балтаниязов Ж.С. Қорақалпоғистон республикаси шароитида ўсиб ривожланаётган нинабаргли дарахтларнинг ҳолати ва ўсиш кўрсаткичлари //Science and innovation. – 2022. – №. Special Issue. – С. 204-207.

2. Қайимов А.Қ., Ҳамроев Х.Ф., Балтаниязов Ж.С. Қорақалпоғистон республикаси шароитида кўкаламзорлаштириш учун танланган япроқбаргли дарахт турларининг ўсиш кўрсаткичлари //Science and innovation. – 2022. – №. Special Issue. – С. 208-212.

3. Baltaniyazov J.S., Kamalova N.B. Environmental and decorative properties linden leaved (*Tilia cordata*) under Karakalpakstan // Современное экологическое состояние природной среды и научно-практические аспекты рационального природопользования. - 2017. - S. 820-821.

4. Baltaniyazov J.S., Kamalova N.B. Growing and cutting of dolls pharmacy // Научно-практические пути повышения экологической устойчивости и социально-экономическое обеспечение сельскохозяйственного производства. - 2017. - S. 607-608.

5. Baltaniyazov J., Madraimov R. Jasíl qaplama payda etiwde Seksewil ósimliginiń áhmiyeti hám kóbeytiw usılları // Центральноазиатский журнал образования и инноваций. - 2023. - Т. 2. - №. 10 Part 3. - S. 133-136.