

WATER RESOURCES MANAGEMENT (WATER SAVING TECHNOLOGIES)

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Annotation: This article is dedicated to solving one of the most pressing problems of water scarcity today using water-saving technologies.

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As a result of climate change, water management and security issues in Central Asia will continue to be of strategic importance. If the problem is not addressed enough, people in every part of the region will be able to feel the current situation in the Aral Sea region.

Misuse of water resources is causing serious problems in the region, and the Aral Sea, which is in a deplorable state, is a good example of this.

Currently, 90 percent of Central Asia's water resources are used for irrigated agriculture. Water is the backbone of agriculture and plays an important role in the economies of five Central Asian countries, as the agricultural sector accounts for between 10% and 45% of their GDP. In addition, more than 20 percent of the rural population is employed and dependent on the network. In short, directing the Aral Sea to restore water resources, which are still scarce in agriculture, seems impossible at the moment.

In the face of climate change, UN estimates that global demand for water is projected to grow by 55% by 2050. That's a big number. At the same time, water resources in Central Asia are likely to decline.

With climate change, water management and security issues in Central Asia are becoming increasingly important. Even so, serious mistakes are being made in the use of water resources in the region. In Uzbekistan alone, drinking water is used inefficiently, especially in agriculture, which consumes 90 percent of the country's water. Water-saving technologies are applied both during the delivery of water to consumers (losses in irrigation systems due to outdated and rotten infrastructure are 35-40%) and during consumption (only 3-5% of irrigated lands) this process can be clearly observed. Since agriculture is a major part of Central Asia, drip irrigation is another way to use water wisely.

Drip irrigation is a convenient alternative to regular garden irrigation with a hose or irrigation device. The system itself delivers the right amount of water, bringing it to the full composition of the plants - in the root zone. Irrigation of the calf is carried out by the Russian company Cycle. It is of high quality and can be used in greenhouses or outdoors.

Drip irrigation is a promising method of irrigating plants that automates the irrigation process, increases productivity, allows you to create an aqueous and nutritious alternative regime in the root layer of the soil. The use of drip irrigation is especially scarce. is particularly promising for farms in the districts. Drip irrigation can be used in any area - country, garden, greenhouse and even fields. Often in the country such an automatic irrigation system is used - the beds, flower beds, lawns are always in a comfortable condition, and you do not have to think about daily watering of plants.

For many gardeners, this option remains the most acceptable. The effectiveness of this is evidenced by this. In addition, it is much cheaper to install a car in the country. In small areas, another irrigation system is almost unnecessary.

It's hard to imagine a modern country house without a greenhouse. To expect a good harvest, it is necessary to choose an automatic irrigation system in the greenhouse as best as possible. The issue of when it is not possible to travel to the country frequently is especially acute. Installing drip irrigation in the greenhouse is the best solution to the problem

Also, the automatic lawn irrigation system offers you an invaluable service. Thanks to automatic watering, the lawn always delights the eye with emerald greenery and freshness. And the necessary irrigation is carried out without human intervention

Conclusion:

Water scarcity is one of the most pressing problems today, and the only way to prevent this problem is to use these water resources wisely and to use drip irrigation in the irrigation system.

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