

Is it good to plant Haloxylon ammodendron under photovoltaic panels

Does environmental gradient affect morphological and photosynthetic characteristics of Haloxylon ammodendron?

However, there are few studies on the physiological characteristics of Haloxylon ammodendron under an environmental gradient. Here, we studied the changes in the morphological and photosynthetic characteristics and their correlations in Haloxylon ammodendron in the four habitats of the Ebinur Lake wetland.

Does Haloxylon ammodendron respond to global change?

Therefore, the study of morphological and photosynthetic characteristics of Haloxylon ammodendron under water and salt gradient will provide scientific basis for the response of Haloxylon ammodendron to global change.

How does Haloxylon ammodendron survive in arid areas?

In arid areas, Haloxylon ammodendron has its own special survival strategy and leaf construction mode. When the soil conditions are good, to cope with the light competition phenomenon caused by the density of plants, Haloxylon ammodendron displays a leaf construction mode with high specific leaf area.

How are Haloxylon ammodendron plants selected?

In each quadrat, two mature and healthy Haloxylon ammodendron plants were selected as test plants; if there was no plant in a certain quadrat or the growth was not well, the nearest one was selected laterally outside the quadrat. A total of 62 trees were selected.

Does precipitation affect photosynthetic and physiological characteristics of Haloxylon ammodendron?

An in-situ field experiment was established to examine the influence of a long-term enhanced precipitation and N deposition on the photosynthetic traits and physiological characteristics of Haloxylon ammodendron in the Gurbantunggut Desert, northwest China, throughout the growing season in 2014-2016.

Why does Haloxylon ammodendron have high specific leaf area?

When the soil conditions are good, to cope with the light competition phenomenon caused by the density of plants, Haloxylon ammodendron displays a leaf construction mode with high specific leaf area. This morphology mitigates insufficient light energy absorption of plants in shaded environments and maximizes the photosynthetic income.

It is well established that compounds secreted by plant roots play an important role in underground interactions among plants, by affecting the soil environment and rhizo ...

Haloxylon ammodendron is a xerophytic perennial shrub or small tree that has a high ecological value in

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anti-desertification due to its high tolerance to drought and salt stress. ...

Haloxylon ammodendron is a fast-growing, evergreen shrub that can reach heights of up to 2 m. It is best propagated from semi-hardwood cuttings taken in summer. The cuttings should be ...

Names, synonyms, distribution, images and descriptions of all the plants in the world. International Plant Names Index. Nomenclatural data for the scientific names of vascular plants. Tree of Life Explorer. ...
Haloxylon ammodendron ...

Haloxylon ammodendron (*H. ammodendron*) is a second-class protected plant of national significance in China that is known for its growth in desert and semidesert regions, ...

In arid desert areas, Haloxylon ammodendron plays an important role in maintaining the ecological balance of desert oases. However, there are few studies on the physiological characteristics of Haloxylon ammodendron ...

Haloxylon ammodendron under water and salt gradient will provide scientific basis for the response of Haloxylon ammodendron to global change. In recent years, ecologists have ...

Abstract: Understanding the spatial distribution of plant species and their dynamic changes in arid areas is crucial for addressing the challenges posed by climate change. Haloxylon ...

Chlorophyll (Chl) a/b ratio has been predicted to increase with the increase in irradiance but responds differently under varying nitrogen (N) availability. Since few studies ...

Haloxylon ammodendron (C.A. Mey.) Bunge. is a candidate plant species for restoration, but low water availability constrains its germination and establishment. Thus, active restoration ...



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