A Big Earth Data Platform for Three Poles

**The experimental data of water consumption and water consumption pattern of desert plants (2011)**

1、Description

A small lysimeter was made by ourselves, which simulated the natural conditions and selected typical desert plants as the object to study the water consumption and its law. Repeat 3 times for each plant.

2、Keywords

Theme：Water consumption,Vegetation,Desert plants
Discipline：Terrestrial Surface
Places：Heihe River Basin, Middle and Lower Reaches
Time：2011

3、Data details

1.Scale：1

2.Projection：4326

3.Filesize：5.0MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.1147222222222 | - |
| west：99.752777777 | - | east：101.28305555 |
| - | south：38.70694444 | - |

5、Time frame:2011-01-09 10:47:18+00:00--2012-01-08 10:47:18+00:00

6、Reference method

References to data:

SU Peixi. The experimental data of water consumption and water consumption pattern of desert plants (2011). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.078.2013.db2013

References to articles:

苏培玺, 周紫鹃, 张海娜, 李善家, 解婷婷. (2013). 荒漠植物沙拐枣群体光合作用及土壤呼吸研究. 北京林业大学学报, 35(3):56-64.

7、Supporting project information

Water use efficiency and related regulation mechanisms of desert vegetation in different scales

8、Data resource provider

name: SU Peixi
unit: Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
email: supx@lzb.ac.cn