A Big Earth Data Platform for Three Poles

**Physiological index analysis data of typical desert plants in Heihe River basin (July 2011)**

1、Description

In mid-july 2011, photosynthetic organs (leaves or assimilating branches) of typical desert plants were collected and brought back to the laboratory in a liquid nitrogen tank for determination.  
The analysis indexes mainly include soluble protein unit: mg/g;Free amino acid unit: g/g;Chlorophyll content unit: mg/g;Superoxide dismutase (SOD) unit: U/g FW;Catalase (CAT) unit: U/(g•min);POD unit: U/(g•min);Proline (Pro) unit: g/g;  
Soluble sugar unit: g/g;Malondialdehyde (MDA) is given in moles per liter.

2、Keywords

Theme：Desert,Vegetation,Desert ecosystem,Physiological indexes  
Discipline：Terrestrial Surface  
Places：Heihe River Basin  
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:2011-07-09 18:47:58+00:00--2011-08-09 18:47:58+00:00

6、Reference method

References to data:

Physiological index analysis data of typical desert plants in Heihe River basin (July 2011). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.108.2013.db2013

References to articles:

7、Supporting project information

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

8、Data resource provider